SQL REPORT
TIPS & TRICKS
FOR LEGACY SYSTEMS AND
OTHER NON-TRADITIONAL USES

DALE TREXEL
WEB MANAGER
U. OF MINNESOTA
LAW SCHOOL
Benefits of SQL Reports?
Benefits of SQL Reports:

- No shell/server access required
- No need to modify config files or restart services
- Separate computation from display
- Quicker to mock-up new ideas
Date/Time functions
Format the same data multiple ways
Create template variables for novel if/then conditions
Add “OR” condition to your template!
Combine datasets with Union
TIME & DATE FUNCTIONS

BASIC TIME FUNCTIONS

MySQL QUERY BROWSER

```sql
SELECT CURDATE() AS today,
      CURTIME() AS time_now,
      NOW() AS date_time,
      UNIX_TIMESTAMP() AS unix_time
```

<table>
<thead>
<tr>
<th>today</th>
<th>time_now</th>
<th>date_time</th>
<th>unix_time</th>
</tr>
</thead>
</table>
TIME & DATE FUNCTIONS

DATE FORMAT FUNCTION

```
SELECT
  CURDATE() AS today,
  CURTIME() AS time_now,
  NOW() AS date_time,
  UNIX_TIMESTAMP() AS unix_time,
  DATE_FORMAT(NOW(),'%W, %B. %D, %Y') AS formatted_date
FROM dual;
```

<table>
<thead>
<tr>
<th>today</th>
<th>time_now</th>
<th>date_time</th>
<th>unix_time</th>
<th>formatted_date</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-08-19</td>
<td>16:57:34</td>
<td>2010-08-19 16:57:34</td>
<td>1282255054</td>
<td>Thursday, Aug. 19th, 2010</td>
</tr>
</tbody>
</table>
```
SELECT DATEDIFF(NOW(), CONCAT(YEAR(NOW()), '-02-02')) AS days_since_ghd
```

```
days_since_ghd
198
```
TIME & DATE FUNCTIONS

SELECTING DATA MULTIPLE TIMES FOR FORMATTING

```sql
SELECT
    DATE_FORMAT(NOW(), '%W, %b. %D, %Y') AS formatted_date,
    DATE_FORMAT(NOW(), '%W') AS day_of_week,
    DATE_FORMAT(NOW(), '%b') AS abbrev_month,
    DATE_FORMAT(NOW(), '%D') AS date_with_extension,
    DATE_FORMAT(NOW(), '%Y') AS four_digit_year
```

<table>
<thead>
<tr>
<th>formatted_date</th>
<th>day_of_week</th>
<th>abbrev_month</th>
<th>date_with_extension</th>
<th>four_digit_year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, Aug. 19th, 2010</td>
<td>Thursday</td>
<td>Aug</td>
<td>19th</td>
<td>2010</td>
</tr>
</tbody>
</table>
IF / THEN CONDITIONS

TIME & DATE FUNCTIONS

```sql
SELECT LEFT(DATE_FORMAT(NOW(), '%W'), 1) AS day_initial
```

<table>
<thead>
<tr>
<th>day_initial</th>
</tr>
</thead>
<tbody>
<tr>
<td>T</td>
</tr>
</tbody>
</table>
```sql
SELECT IF(LEFT(DATE_FORMAT(NOW(), '%W'), 1)="T", 1, 0) AS is_tu_th
```
<tmpl_if row.field.is_tu_th.value>
    <p>Content for Tuesdays and Thursdays</p>
</tmpl_if>

<tmpl_else>
    <p>Content for all other days</p>
</tmpl_else>
```
SELECT
    IF(LEFT(DATE_FORMAT(NOW(), '%w'), 1)="T", 1, 0) AS is_tu_th_1,
    IF(DAYOFWEEK(NOW())=3 OR DAYOFWEEK(NOW())=5, 1, 0) AS is_tu_th_2,
    IF(WEEKDAY(NOW())=1 OR WEEKDAY(NOW())=3, 1, 0) AS is_tu_th_3
```

<table>
<thead>
<tr>
<th>is_tu_th_1</th>
<th>is_tu_th_2</th>
<th>is_tu_th_3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>
TIME & DATE FUNCTIONS

AN EXAMPLE WITHOUT DATA

Finance Forms Due Today:
Bi-Weekly Timesheets
Bi-Weekly Leave Report

Finance Forms Due Monday:
Bi-Weekly Timesheets
Bi-Weekly Leave Report

```
SELECT
  IF(MOD(DATEDIFF(CURDATE(), '2010-05-10'), 14) = 0, 1, 0) AS dueToday,
  IF(MOD(DATEDIFF(CURDATE(), '2010-05-10'), 14) > 10, 1, 0) AS dueMonday
;
```

<table>
<thead>
<tr>
<th>dueToday</th>
<th>dueMonday</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
TIME & DATE FUNCTIONS

AN EXAMPLE WITHOUT DATA

```
<a name="idtmpl_var_assetId" id="idtmpl_var_assetId"></a>

<tmpl_if session.var.adminOn>
  <p><tmpl_var controls></p>
</tmpl_if>

<tmpl_if debugMode>
  <div style="color: #FFFFCC">
    <ul>
      <tmpl_loop debug_loop>
        <li><tmpl_var debug.output></li>
      </tmpl_loop>
    </ul>
  </div>
</tmpl_if>

<tmpl_unless rows.count.isZero>
  <tmpl_loop rows_loop>
    <tmpl_if row.field.dueToday.value>
      ^AssetProxy(index/finance-reminder-today);
    <tmpl_else>
      <tmpl_if row.field.dueMonday.value>
        ^AssetProxy(index/finance-reminder-monday);
      </tmpl_if>
    </tmpl_if>
  </tmpl_loop>
</tmpl_unless>
```
<tmpl_unless rows.count.isZero>
<tmpl_loop rows_loop>
    <tmpl_if row.field.dueToday.value>
        ^AssetProxy(index/finance-reminder-today);
    </tmpl_if>
    <tmpl_else>
        <tmpl_if row.field.dueMonday.value>
            ^AssetProxy(index/finance-reminder-monday);
        </tmpl_if>
    </tmpl_else>
</tmpl_loop>
</tmpl_unless>
• Date/Time functions
• Format the same data multiple ways
• Create template variables for novel if/then conditions
• Add “OR” condition to your template!
• Combine datasets with Union
I promise not to yell at you, except on special occasions.

Tuesdays and bank holidays would be good.
I promise not to yell at you, except on special occasions.

Tuesdays and or bank holidays would be good.
Tuesdays and bank holidays would be good.

```xml
<tmpl_if row.field.is_tuesday.value>
    <tmpl_if row.field.bank_holiday.value>
        <p>Yelling is permitted.</p>
    </tmpl_if>
</tmpl_if>
```
<tmpl_if row.field.is_tuesday.value>
   <p>Yelling is permitted.</p>
</tmpl_if>
<tmpl_else>
   <tmpl_if row.field.bank_holiday.value>
      <p>Yelling is permitted.</p>
   </tmpl_if>
</tmpl_else>
Tuesdays or bank holidays would be good.

```html
<tmpl_if row.field.is_tuesday_or_bank_holiday.value>
  <p>Yelling is permitted.</p>
</tmpl_if>
```
TODAY’S TIPS & TRICKS

- Date/Time functions
- Format the same data multiple ways
- Create template variables for novel if/then conditions
- Add “OR” condition to your template!
- Combine datasets with Union
COMBINING FACULTY DATA

EXAMPLE 1: SELECT LIST

Select list combines 2 different tables
COMBINING FACULTY DATA

EXAMPLE 1: THE GOAL

<label for="ourFaculty">Confirm link to our faculty</label>
<select id="ourFaculty" name="ourFaculty" class="larger">
  <option id="facId_0" value="0" class="larger">No Match</option>
  <option id="facId_726" value="726" class="larger">Adams, Edward</option>
  <option id="facId_727" value="727" class="larger">Adelman, David E.</option>
  ...
  <option id="facId_1046" value="1046" class="larger">Zaidi, Mahmood</option>
  <option id="facId_1047" value="1047" class="larger">Zerby, Paul G.</option>
</select>
COMBINING FACULTY DATA

EXAMPLE 1: THE TEMPLATE

```
<label for="ourFaculty">Confirm link to our faculty</label>
<select id="ourFaculty" name="ourFaculty" class="larger">
    <option id="facId_0" value="0" class="larger">&mdash; No Match &mdash;</option>
    <option id="facId_726" value="726" class="larger">Adams, Edward</option>
    <option id="facId_727" value="727" class="larger">Adelman, David E.</option>
    ...<br />
    <option id="facId_1046" value="1046" class="larger">Zaidi, Mahmood</option>
    <option id="facId_1047" value="1047" class="larger">Zerby, Paul G.</option>
</select>

<tmpl_unless rows.count.isZero>
<tmpl_loop rows_loop>
    <option id="facId <tmpl_var row.field facDetailsId value>"
        value="<tmpl_var row.field facDetailsId.value >" class="larger">
        <tmpl_var row.field .lastname, value>, <tmpl_var row.field .firstname value>
    </option>
</tmpl_loop>
</tmpl_unless>
```
SELECT
    L.personLastname AS lastname,
    L.personFirstname AS firstname,
    D.facDetailsId AS facDetailsId
FROM
    intranet.Law_Person L
LEFT JOIN
    intranet.Faculty_Details D
ON L.personId = D.personId
WHERE
    personFaculty > 0
ORDER BY personLastname, personFirstname
(SELECT
    L.personLastname AS lastname,
    L.personFirstname AS firstname,
    D.facDetailsId AS facDetailsId
FROM
    intranet.Law_Person L
LEFT JOIN
    intranet.Faculty_Details D
ON L.personId = D.personId
WHERE
    personFaculty > 0
ORDER BY personLastname, personFirstname)
UNION
(SELECT
    fdLastname AS lastname,
    fdFirstname AS firstname,
    facDetailsId AS facDetailsId
FROM intranet.Faculty_Details
WHERE
    fdLastname != ""
    AND fdFirstname != ""
ORDER BY fdLastname, fdFirstname)
EXAMPLE 1: THE QUERY

(SELECT
  L.personLastname AS lastname,
  L.personFirstname AS firstname,
  D.facDetailsId AS facDetailsId
FROM
  intranet.Law_Person L
LEFT JOIN
  intranet.FacultyDetails D
ON L.personId = D.personId
WHERE
  personFaculty > 0
ORDER BY personLastname, personFirstname)
UNION

(SELECT
  fdLastname AS lastname,
  fdFirstname AS firstname,
  facDetailsId AS facDetailsId
FROM intranet.Faculty_Details
WHERE
  fdLastname != ""
  AND fdFirstname != ""
ORDER BY fdLastname, fdFirstname)

Number of fields and field names must match!
EXAMPLE 1: THE QUERY

```sql
SELECT
    lastname,
    firstname,
    MAX(facDetailsId) AS facDetailsId
FROM
    (SELECT
        L.personLastname AS lastname,
        L.personFirstname AS firstname,
        D.facDetailsId AS facDetailsId
    FROM
        intranet.Law_Person L
    LEFT JOIN
        intranet.Faculty_Details D
    ON L.personId = D.personId
    WHERE
        personFaculty > 0
    ORDER BY personLastname, personFirstname)
UNION
    (SELECT
        fdLastname AS lastname,
        fdFirstname AS firstname,
        facDetailsId AS facDetailsId
    FROM
        intranet.Faculty_Details
    WHERE
        fdLastname != ""
        AND fdFirstname != ""
    ORDER BY fdLastname, fdFirstname)
) AS union1
GROUP BY lastname, firstname
ORDER BY lastname, firstname
```

Grouping data: which ID to use?
### Example 1: The Query

```sql
SELECT
    lastname,
    firstname,
    MAX(facDetailsId) AS facDetailsId
FROM
    (SELECT
        L.personLastname AS lastname,
        L.personFirstname AS firstname,
        D.facDetailsId AS facDetailsId
    FROM
        intranet.Law_Person L
    LEFT JOIN
        intranet.Faculty_Details D
    ON L.personId = D.personId
    WHERE
        personFaculty > 0
    ORDER BY personLastname, personFirstname)
UNION
    (SELECT
        fdLastname AS lastname,
        fdFirstname AS firstname,
        facDetailsId AS facDetailsId
    FROM
        intranet.Faculty_Details
    WHERE
        fdLastname != ''
        AND fdFirstname != ''
    ORDER BY fdLastname, fdFirstname)
) AS union1
GROUP BY lastname, firstname
ORDER BY lastname, firstname
```

Derived table requires its own alias!
SELECT
    REPLACE(lastname, '\\', '') AS lastname,
    REPLACE (firstname, '\\', '') AS firstname,
    MAX(facDetailsId) AS facDetailsId
FROM
    (SELECT
        L.personLastname AS lastname,
        L.personFirstname AS firstname,
        D.facDetailsId AS facDetailsId
    FROM
        intranet.Law_Person L
    LEFT JOIN
        intranet.Faculty_Details D
    ON L.personId = D.personId
    WHERE
        personFaculty > 0
    ORDER BY personLastname, personFirstname) AS union1
UNION
    (SELECT
        fdLastname AS lastname,
        fdFirstname AS firstname,
        facDetailsId AS facDetailsId
    FROM
        intranet.Faculty_Details
    WHERE
        fdLastname != ""
        AND fdFirstname != ""
    ORDER BY fdLastname, fdFirstname)
) AS union1
GROUP BY lastname, firstname
ORDER BY lastname, firstname
COMBINING FACULTY DATA

EXAMPLE 2: AUTOSUGGEST

Autosuggest combines 3 different tables.
EXAMPLE 2:
THE GOAL

```javascript
YAHOO.allAuthors.Data = {
  allCitationAuthors: [
    {
      name: "Abe, Theodore", id: 0
    },
    {
      name: "Abraham, Kenneth S.", id: 0
    },
    {
      name: "Abram, Morris B.", id: 0
    },
    {
      name: "Abramson, Betsy J.", id: 0
    },
    ...
    {
      name: "Zangs, John", id: 0
    },
    {
      name: "Zemans, Frances Kahn", id: 0
    },
    {
      name: "Zerby, Paul G.", id: 1047
    },
    {
      name: "Zimring, Franklin E.", id: 0
    }
  ]
};
```
EXAMPLE 2: THE TEMPLATE

YAHOO.allAuthors.Data = {
  allCitationAuthors: [

    { name: "Abe, Theodore", id: 0 },
    { name: "Abraham, Kenneth S.", id: 0 },
    { name: "Abram, Morris B.", id: 0 },
    { name: "Abramson, Betsy J.", id: 0 },
    ...
    { name: "Zangs, John", id: 0 },
    { name: "Zemans, Frances Kahn", id: 0 },
    { name: "Zerby, Paul G.", id: 1047 },
    { name: "Zimring, Franklin E.", id: 0 }
  ]
};

YAHOO.allAuthors.Data = {
  allCitationAuthors: [

    <tmpl_unless rows.count.isZero>
    <tmpl_loop rows_loop>

        { name: "<tmpl_var row.field.lastname.value>, <tmpl_var row.field.firstname.value>" ,
        id: <tmpl_var row.field.facDetailsId.value> }<tmpl_unless __LAST__>,</tmpl_unless>

    </tmpl_loop>
  </tmpl_unless>
};
EXAMPLE 2: THE TEMPLATE

YAHOO.allAuthors.Data = {
  allCitationAuthors: [
    { name: "Abe, Theodore", id: 0 },
    { name: "Abraham, Kenneth S.", id: 0 },
    { name: "Abram, Morris B.", id: 0 },
    { name: "Abramson, Betsy J.", id: 0 },
    ...
    { name: "Zangs, John", id: 0 },
    { name: "Zemans, Frances Kahn", id: 0 },
    { name: "Zerby, Paul G.", id: 1047 },
    { name: "Zimring, Franklin E.", id: 0 }
  ]
};
EXAMPLE 2: THE QUERY

```sql
SELECT
    REPLACE(lastname, '\\', '') AS lastname,
    REPLACE(firstname, '\\', '') AS firstname,
    MAX(facDetailsId) AS facDetailsId
FROM
    (SELECT
        L.personLastname AS lastname,
        L.personFirstname AS firstname,
        D.facDetailsId AS facDetailsId
    FROM
        intranet.Law_Person L
        LEFT JOIN
        intranet.Faculty_Details D
        ON L.personId = D.personId
    WHERE
        personFaculty > 0
    ORDER BY personLastname, personFirstname)
    UNION
    (SELECT
        fdLastname AS lastname,
        fdFirstname AS firstname,
        facDetailsId AS facDetailsId
    FROM
        intranet.Faculty_Details
    WHERE
        fdLastname != ''
        AND fdFirstname != ''
    ORDER BY fdLastname, fdFirstname)
    UNION
    (SELECT
        citeLastname AS lastname,
        citeFirstname AS firstname,
        MAX(facDetailsId) AS facDetailsId
    FROM
        intranet.Faculty_Citation_Link
    WHERE
        citeLastname != ''
        AND citeFirstname != ''
    GROUP BY citeLastname, citeFirstname
    ORDER BY citeLastname, citeFirstname)
```

Basically, just UNION in a third SELECT
EXAMPLE 2: THE QUERY

```
SELECT
    REPLACE(REPLACE(lastname, '&#39;', '\'), '\', '') AS lastname,
    REPLACE(REPLACE(firstname, '&#39;', '\'), '\', '') AS firstname,
    MAX(facDetailsId) AS facDetailsId
FROM
( SELECT
    L.personLastname AS lastname,
    L.personFirstname AS firstname,
    D.facDetailsId AS facDetailsId
FROM
    intranet.Law_Person L
    LEFT JOIN
    intranet.Faculty_Details D
    ON L.personId = D.personId
WHERE
    personFaculty > 0
ORDER BY personLastname, personFirstname)
UNION
( SELECT
    fdLastname AS lastname,
    fdFirstname AS firstname,
    facDetailsId AS facDetailsId
FROM
    intranet.Faculty_Details
WHERE
    fdLastname != ""
    AND fdFirstname != ""
ORDER BY fdLastname, fdFirstname)
UNION
( SELECT
    citeLastname AS lastname,
    citeFirstname AS firstname,
    MAX(facDetailsId) AS facDetailsId
FROM
    intranet.Faculty_Citation_Link
WHERE
    citeLastname != ""
    AND citeFirstname != ""
GROUP BY citeLastname, citeFirstname
ORDER BY citeLastname, citeFirstname)
) AS union1
GROUP BY lastname, firstname
ORDER BY lastname, firstname
```

However, a new apostrophe problem
EXAMPLE 2: AUTOSUGGEST

COMBINING FACULTY DATA
EXAMPLE 3:
COMBINING EVENT DATA

EVENTS PREVIEW

NOW Judicial Trial Skills Training Program
11:00 am - 3:00 pm
Monday, Aug 23  On-Campus Interviews (All Day)
Tuesday, Aug 24  On-Campus Interviews (All Day)

CLASS OF 2013 ORIENTATION
August 31 - September 3

FEATURED FACULTY:

my experience:

"The Human Rights Center and clinical faculty have provided the resources and skills necessary for me to be an indigenous issues advocate—a testament to the Law School's commitment to meeting each student's needs."

TATUYE MEANS ('10)
Fellow, Tribal Law and Policy Institute
EXAMPLE 3:
EVENTS PREVIEW

```
SELECT
    b.event_date AS sort_date,
    a.event_start AS sort_time,
    a.event_title AS title,
    IF(b.event_date=DATE(NOW()),1,0) AS is_today,
    IF((a.event_start='00:00:00')&&(a.event_end='00:00:00'),1,0) AS all_day,
    IF((b.event_date=DATE(NOW()))&&(a.event_start<TIME(NOW()))&&(a.event_end>TIME(NOW())),1,0)
        AS happening_now,
    DATE_FORMAT(b.event_date,'%W') AS day_text,
    DATE_FORMAT(b.event_date,'%e') AS day_number,
    DATE_FORMAT(b.event_date,'%b') AS mo_abbr,
    TIME_FORMAT(a.event_start,'%l:%i') AS time_start_display,
    LOWER(TIME_FORMAT(a.event_start,'%p')) AS time_start_ampm,
    TIME_FORMAT(a.event_end,'%l:%i') AS time_end_display,
    LOWER(TIME_FORMAT(a.event_end,'%p')) AS time_end_ampm,
    CONCAT('/news/calendar.html?cal=details&my_db=calendar&event_id=',a.event_id,'&my_date=',
          b.event_date,'&StartTime=',a.event_start) AS event_url,
    CONCAT('/news/calendar.html?cal=day&my_date=',b.event_date) AS event_day_url
FROM calendar.event AS a, calendar.event_time AS b
WHERE a.event_id=b.event_id
AND a.on_frontpage > 0
AND a.event_view='Law School'
AND (b.event_date > DATE(NOW())) OR (b.event_date = DATE(NOW())) AND (a.event_end = '00:00:00' OR
    a.event_end > TIME(NOW()))
ORDER BY sort_date ASC, sort_time ASC
LIMIT 4
```

This is the simpler of the two queries!
SELECT
  r.event_date AS sort_date,
  IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time)) AS sort_time,
  e.event_details AS title,
  IF(r.event_date=DATE(NOW()),1,0) AS is_today,
  IF((MIN(r.start_time)='00:00:00')&&(MIN(r.end_time)='00:00:00'),1,0) AS all_day,
  IF((r.event_date=DATE(NOW()))&&(IF(MIN(r.event_time)>0,MIN(r.event_time),
  MIN(r.start_time))<TIME(NOW()))&&(MAX(r.end_time)>TIME(NOW())),1,0) AS happening_now,
  DATE_FORMAT(r.event_date,'%W') AS day_text,
  DATE_FORMAT(r.event_date,'%e') AS day_number,
  DATE_FORMAT(r.event_date,'%b') AS mo_abbr,
  TIME_FORMAT(IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time)),'%l:%i')
  AS time_start_display,
  LOWER(TIME_FORMAT(IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time)),'%p'))
  AS time_start_ampm,
  TIME_FORMAT(MAX(r.end_time),'%l:%i') AS time_end_display,
  LOWER(TIME_FORMAT(MAX(r.end_time),'%p')) AS time_end_ampm,
  IF(COUNT(e.event_details)>1,1,0) AS multiple_count,
  CONCAT('/news/calendar.html?cal=details&mydb=rooms&event_id=',r.event_id,'&my_date=',
  r.event_date,'&StartTime=',r.start_time) AS event_url,
  CONCAT('/news/calendar.html?cal=day&my_date=',r.event_date) AS event_day_url
FROM intranet.Reservation_Date r, intranet.Reservation_Event e
WHERE e.event_id = r.event_id
AND on_calendar > 0
AND on_frontpage > 0
AND (r.event_date > DATE(NOW()) OR (r.event_date = DATE(NOW()) AND (r.end_time = '00:00:00' OR
  r.end_time > TIME(NOW()))))
GROUP BY sort_date, title
ORDER BY sort_date ASC, sort_time ASC
LIMIT 4
SELECT * FROM 

( 

(SELECT 
  b.event_date AS sort_date, 
  a.event_start AS sort_time, 
  a.event_title AS title, 
  IF(b.event_start='00:00:00') & (a.event_end='00:00:00'), 1, 0) AS is_today, 
  IF(b.event_date=DATE(NOW()),1,0) AS is_today, 
  IF(b.event_date=DATE(NOW()),1,0) AS is_today, 
  DATE_FORMAT(b.event_date,'%W') AS day_text, 
  DATE_FORMAT(b.event_date,'%e') AS day_number, 
  DATE_FORMAT(b.event_date,'%b') AS mo_abbr, 
  TIME_FORMAT(a.event_start,'%l:%i') AS time_start_display, 
  LOWER(TIME_FORMAT(a.event_start,'%p')) AS time_start_ampm, 
  TIME_FORMAT(a.event_end,'%l:%i') AS time_end_display, 
  LOWER(TIME_FORMAT(a.event_end,'%p')) AS time_end_ampm, 
  CONCAT('/news/calendar.html?cal=details&my_db=calendar&event_id=',a.event_id,'&my_date=',b.event_date,'&StartTime=',a.event_start) AS event_url, 
  CONCAT('/news/calendar.html?cal=day&my_date=',b.event_date) AS event_day_url 
FROM calendar.event AS a, calendar.event_time AS b 
WHERE a.event_id=b.event_id 
AND b.event_date > 0 
AND a.on_frontpage > 0 
AND a.event_view='Law School' 
AND (b.event_date > DATE(NOW()) OR (b.event_date = DATE(NOW()) AND (a.event_end = '00:00:00' OR a.event_end > TIME(NOW())))) 
ORDER BY sort_date ASC, sort_time ASC 
LIMIT 4) 
UNION 

(SELECT 
  r.event_date AS sort_date, 
  IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time)) AS sort_time, 
  e.event_details AS title, 
  IF(r.event_date=DATE(NOW()),1,0) AS is_today, 
  IF(MIN(r.start_time)='00:00:00') & (MIN(r.end_time)='00:00:00'), 1, 0) AS all_day, 
  IF(r.event_date=DATE(NOW())) & (IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time))<TIME(NOW())) & (MAX(r.end_time)>TIME(NOW())), 1, 0) AS happening_now, 
  DATE_FORMAT(r.event_date,'%W') AS day_text, 
  DATE_FORMAT(r.event_date,'%e') AS day_number, 
  DATE_FORMAT(r.event_date,'%b') AS mo_abbr, 
  TIME_FORMAT(IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time)),'%l:%i') AS time_start_display, 
  LOWER(TIME_FORMAT(IF(MIN(r.event_time)>0,MIN(r.event_time),MIN(r.start_time)),'%p')) AS time_start_ampm, 
  TIME_FORMAT(MAX(r.end_time),'%l:%i') AS time_end_display, 
  LOWER(TIME_FORMAT(MAX(r.end_time),'%p')) AS time_end_ampm, 
  IF(COUNT(e.event_details)>1,1,0) AS multiple_count, 
  CONCAT('/news/calendar.html?cal=details&my_db=rooms&event_id=',r.event_id,'&my_date=',r.event_date,'&StartTime=',r.start_time) AS event_url, 
  CONCAT('/news/calendar.html?cal=day&my_date=',r.event_date) AS event_day_url 
FROM intranet.Reservation_Date r, intranet.Reservation_Event e 
WHERE e.event_id = r.event_id 
AND on_calendar > 0 
AND on_frontpage > 0 
AND (r.event_date > DATE(NOW())) OR (r.event_date = DATE(NOW())) AND (r.event_end = '00:00:00' OR r.event_end > TIME(NOW()))) 
GROUP BY sort_date, title 
ORDER BY sort_date ASC, sort_time ASC 
LIMIT 4)
) AS union1 
ORDER BY sort_date ASC, sort_time ASC 
LIMIT 4
COMBINING EVENT DATA

<ul id="sql__tmpl_var assetId" class="home_feeds cal_feed">
  <tmpl_loop rows_loop>
    <tmpl_unless __LAST__> <!-- normal entries -->
    <li>
      <span class="cal_dow"><tmpl_if row.field.happening_now.value>NOW<tmpl_else><tmpl_if row.field.is_today.value>TODAY<tmpl_else><tmpl_var row.field.day_text.value>,</tmpl_if></tmpl_if></span>
      <tmpl_unless row.field.happening_now.value><tmpl_unless row.field.is_today.value><span class="cal_date"><tmpl_var row.field.mo_abbr.value> <tmpl_var row.field.day_number.value></span></tmpl_unless></tmpl_unless>
      <span class="cal_title"><a href="<tmpl_if row.field.multiple_count.value><tmpl_var row.field.event_day_url.value><tmpl_else><tmpl_var row.field.event_url.value></tmpl_if>"><tmpl_var row.field.title.value></a></span>
      <span class="cal_time"><tmpl_if row.field.all_day.value>(All Day)<tmpl_else><tmpl_var row.field.time_start_display.value>&nbsp;<tmpl_var row.field.time_start_ampm.value>&ndash;&nbsp;<tmpl_var row.field.time_end_display.value>&nbsp;<tmpl_var row.field.time_end_ampm.value></tmpl_if></span>
    </li>
  </tmpl_unless>
  <tmpl_else> <!-- display "more today" if appropriate -->
    <tmpl_if row.field.is_today.value>
      <li class="more_today">
        <span><a href="/news/calendar.html?cal=day">view all of today's events...</a></span>
      </li>
    </tmpl_if>
  </tmpl_else>
</tmpl_loop>
</ul>

EVENTS PREVIEW

COMBINING EVENT DATA
TODAY’S TIPS & TRICKS

• Date/Time functions
• Format the same data multiple ways
• Create template variables for novel if/then conditions
• Add “OR” condition to your template!
• Combine datasets with Union
• Questions?