Sums salaries by department and titles

**DROP** **PROCEDURE** sumSalaries

**CREATE** **PROCEDURE** sumSalaries()

**SELECT**

T.title

, D.dept\_name

, **SUM**(S.salary)

**FROM** employees E

**INNER** **JOIN** current\_dept\_emp CD

**ON** CD.emp\_no = E.emp\_no

**INNER** **JOIN** departments D

**ON** CD.dept\_no = D.dept\_no

**INNER** **JOIN** titles T

**ON** T.emp\_no = E.emp\_no

**INNER** **JOIN** salaries S

**ON** S.emp\_no = E.emp\_no

**GROUP** **BY**

T.title

, D.dept\_name

**CALL** sumSalaries()

Pulls the top 50 employees with the title “Senior Engineer”

**DROP** **PROCEDURE** get\_SeniorEngineer

**CREATE** **PROCEDURE** get\_SeniorEngineer()

**SELECT**

E.first\_name

, E.last\_name

, T.title

**FROM** employees E

**INNER** **JOIN** titles T

**ON** T.emp\_no = E.emp\_no

**WHERE** T.title = 'Senior Engineer'

**LIMIT** 50

**CALL** get\_SeniorEngineer()

Sums the two numbers

**CREATE** **PROCEDURE** sumNum(a **INT**, b **INT**)

**SELECT** a + b **AS** 'sum'

**CALL** sumNum(4,4)

Pulls the most recent salary, hire date, department, title, and employee full name by only providing the ID.

**CREATE** **PROCEDURE** getEmployeeInfo(getId **INT**)

**DROP** **PROCEDURE** getEmployeeInfo

**CREATE** **PROCEDURE** getEmployeeInfo(getId **INT**)

**SELECT** **DISTINCT**

E.emp\_no

, E.first\_name

, E.last\_name

, D.dept\_name

, E.hire\_date

, T.title

, S.salary

, S.from\_date

**FROM** employees E

**INNER** **JOIN** current\_dept\_emp CD

**ON** CD.emp\_no = E.emp\_no

**INNER** **JOIN** departments D

**ON** CD.dept\_no = D.dept\_no

**INNER** **JOIN** salaries S

**ON** S.emp\_no = E.emp\_no

**INNER** **JOIN** titles T

**ON** T.emp\_no = E.emp\_no

**WHERE** E.emp\_no = getId

**ORDER** **BY** S.from\_date **DESC**

**LIMIT** 1

**CALL** getEmployeeInfo(10007)

Changes based on the row from the already created view. Changes the to\_date to any date you wish for it to be.

**DROP** **VIEW** **IF** **EXISTS** most\_recent\_employee\_title

**CREATE** **VIEW** most\_recent\_employee\_title

**AS**

**SELECT** **DISTINCT**

E.emp\_no

, E.first\_name

, E.last\_name

, D.dept\_name

, E.hire\_date

, T.title

, S.salary

, S.from\_date

, S.to\_date

, **ROW\_NUMBER**() **OVER** (**PARTITION** **BY** E.emp\_no **ORDER** **BY** S.to\_date **DESC**) 'Row\_num'

**FROM** employees E

**INNER** **JOIN** current\_dept\_emp CD

**ON** CD.emp\_no = E.emp\_no

**INNER** **JOIN** departments D

**ON** CD.dept\_no = D.dept\_no

**INNER** **JOIN** salaries S

**ON** S.emp\_no = E.emp\_no

**INNER** **JOIN** titles T

**ON** T.emp\_no = E.emp\_no

**GROUP** **BY** E.emp\_no

, E.first\_name

, E.last\_name

, D.dept\_name

, E.hire\_date

, T.title

, S.salary

, S.from\_date

, S.to\_date

**ORDER** **BY** S.to\_date

**CREATE** **PROCEDURE** updateSecondMostRecentTitle(**IN** rowNum **INT**, **IN** getDate **DATE**)

**BEGIN**

**IF** rowNum **IS** **NULL** **THEN**

**SET** rowNum = 2;

**ELSEIF** getDate **IS** **NULL** **THEN**

**SET** getDate = **CURDATE**();

**END** **IF**;

**UPDATE** salaries S

**INNER** **JOIN** most\_recent\_employee\_title T

**ON** T.emp\_no = S.emp\_no

**SET** S.to\_date = yourDate

**WHERE** S.to\_date = getDate

**AND** T.Row\_num = rowNum;

**END**//

**CALL** updateSecondMostRecentTitle()

**SELECT** \*

**FROM** most\_recent\_employee\_title