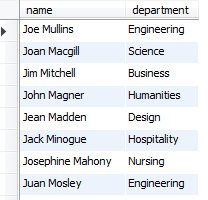
**details database**

1. Create a view to show the full name and department for the details table





1. Write a stored procedure named **update\_department** to update the department for a given employee id. . The SP will have 2 IN parameters

Test your stored procedure with the following statement:

call **update department**(2, 'Engineering');

DROP PROCEDURE IF EXISTS update\_department;

DELIMITER //

CREATE PROCEDURE update\_department

(

IN id\_param INT,

IN new\_dept\_param VARCHAR(30)

)

BEGIN

DECLARE sql\_error TINYINT DEFAULT FALSE;

DECLARE CONTINUE HANDLER FOR SQLEXCEPTION

SET sql\_error = TRUE;

START TRANSACTION;

UPDATE details

SET department = new\_dept\_param

WHERE id = id\_param;

IF sql\_error = FALSE THEN

select "commit";

COMMIT;

ELSE

select"rollback";

END IF;

END //

delimiter ;

call update\_department(2, 'abc');

1. Write a Stored procedure named update\_rate\_position that will increase the rate for all the employees of a given position by a certain amount. The SP will have 3 parameters, 2 IN and 1 OUT. THE SP should store the number of rows updated in the OUT parameter. A variable named @update\_count is supplied for the output parameter.
   1. call update\_rate\_position("Researcher", 20, @update\_count);
   2. To see the value of the OUTPUT param – use select @update\_count;

**DROP PROCEDURE IF EXISTS update\_rate\_position;**

**DELIMITER //**

**CREATE PROCEDURE update\_rate\_position**

**(**

**IN position\_param VARCHAR(30),**

**IN rate\_increase\_param DECIMAL(9,2),**

**OUT update\_count INT**

**)**

**BEGIN**

**DECLARE sql\_error TINYINT DEFAULT FALSE;**

**DECLARE CONTINUE HANDLER FOR SQLEXCEPTION**

**SET sql\_error = TRUE;**

**START TRANSACTION;**

**UPDATE details**

**SET rate = rate + rate\_increase\_param**

**WHERE position = position\_param;**

**IF sql\_error = FALSE THEN**

**select count(\*) from details where position = position\_param INTO update\_count;**

**COMMIT;**

**ELSE**

**SET update\_count = 0;**

**ROLLBACK;**

**END IF;**

**END//**

**call update\_rate\_position("Researcher", 20, @update\_count);**

**select count(\*) from details where position = "Researcher";**

**select @update\_count;**

**select \* from detailslab2.details;**