UNIVERSITY OF CENTRAL PUNJAB

FACULTY OF INFORMATION TECHNOLOGY

Fall 2023

INTRODUCTION TO DATABASE SYSTEM

LAB 13

(Views and Store Procedures)

**Use Classic Model Schema**

**Question-01:** Create view as your name that displays the Customer Number and Customer Name of those employees who have not made any orders and display the view. **[24 Rows]**

**Answer:**

create view summaya as

select c.customerName,c.customerNumber

from customers c left join orders o

on c.customerNumber=o.customerNumber

where o.orderNumber is null;

select \* from summaya;



**Question-02:** Create a view named as your complete registration number and select Employee’s Number and employee’s Name from employees**.** Then display the selected rows.

**[23 Rows]**

**Answer:**

create view l1f19bscs0559 as

select employeeNumber,firstName, lastName

from employees;

select \* from l1f19bscs0559;



**Question-03:** Alter the view and select only the name and number of that employees who reports to no one.

**[1 Rows]**

**Answer:**

alter view l1f19bscs0559 as

select employeeNumber,firstName, lastName

from employees

where reportsTo is null;

select \* from l1f19bscs0559;



**Question-04:** Create a view named as last 4 digits of your registration no and display the employee’s number, employee’s name along with the Office City.

**[21 Rows]**



**Question-05:** Create and display a procedure that displays all the employees **[23 Row]**

**Answer:**



**call emp();**



**Question-06:** Create and display a procedure that displays all the records of the employees based on the office code given by the user.

Answer:

CREATE DEFINER=`root`@`localhost` PROCEDURE `user1`( in code int )

BEGIN

select \* from employees

where officeCode= code;

END

call user1(1);



**Question-07:** Create and displays a procedure that displays the count of the employees associated with the office code ‘6’. **[1 Row]**

**Answer:**

CREATE DEFINER=`root`@`localhost` PROCEDURE `emp\_count`()

BEGIN

select count(employeeNumber)

from employees

where officeCode =6;

END

call emp\_count();



**Question-08:** Create and displays a procedure that displays the count of the records of the employees based on their office code given by the user and then returns the result in the output variable by using multiple parameters. **[1 Row]**

CREATE PROCEDURE `empDATA` ( in userInput varchar(11), out userOutput varchar(11))

BEGIN

select count(e.employeeNumber) into userOutput

from employees e inner join offices o

on e.officeCode= o.officeCode

where e.officeCode = userInput

group by e.officeCode;

END

**Question-09:** Drop any one of the views and procedures

drop view l0559;

select \* from l0559;



drop procedure emp;

call emp();



**Question-10:** Create and display a procedure that displays the customer’s name and customer’s number based on the order number given by the user as an input.

CREATE DEFINER=`root`@`localhost` PROCEDURE `selectedCustomer`(in userInput int(11))

BEGIN

select c.customerName, c.customerNumber

from customers c inner join orders o

on c.customerNumber= o.customerNumber

where o.orderNumber = userInput;

END

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