**MySQl Workshop**

**Date: 03/11/2020**

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**EmpID: 22455**

Queries:

1. Select the details of the employee whose name start with P.

mysql> select \* from employee where empname like 'P%';

+-------+---------+------------+------------+-----------------+-----------+

| empid | empname | department | contactno | emailid | empheadid |

+-------+---------+------------+------------+-----------------+-----------+

| 102 | Priya | E-104 | 1234567890 | priya@yahoo.com | 103 |

+-------+---------+------------+------------+-----------------+-----------+

1 row in set (0.00 sec)

2. How many permanent candidate take salary more than 5000.

mysql> select count(\*) as ‘No. of Permanent Employees’ from empsalary where salary>5000 and ispermanent='Yes';

+----------+

| No. of Permanent Employees|

+----------+

| 1 |

+----------+

1 row in set (0.00 sec)

3. Select the detail of employee whose emailId is in gmail.

mysql> select \* from employee where emailid like '%gmail.com';

+-------+----------+------------+------------+--------------------+-----------+

| empid | empname | department | contactno | emailid | empheadid |

+-------+----------+------------+------------+--------------------+-----------+

| 101 | Isha | E-101 | 1234567890 | isha@gmail.com | 105 |

| 103 | Neha | E-101 | 1234567890 | neha@gmail.com | 101 |

| 105 | Abhishek | E-101 | 1234567890 | abhishek@gmail.com | 102 |

+-------+----------+------------+------------+--------------------+-----------+

3 rows in set (0.00 sec)

4. Select the details of the employee who work either for department E-104 or E-102.

mysql> select \* from employee where department in ('E-104','E-102');

+-------+---------+------------+------------+-----------------+-----------+

| empid | empname | department | contactno | emailid | empheadid |

+-------+---------+------------+------------+-----------------+-----------+

| 102 | Priya | E-104 | 1234567890 | priya@yahoo.com | 103 |

| 104 | Rahul | E-102 | 1234567890 | rahul@yahoo.com | 105 |

+-------+---------+------------+------------+-----------------+-----------+

2 rows in set (0.00 sec)

5. What is the department name for DeptID E-102

mysql> select deptname as ‘Deparment Name’ from empdept where deptid='E-102';

+-------------+

| Deparment Name |

+-------------+

| Development |

+-------------+

1 row in set (0.00 sec)

6. What is total salary that is paid to permanent employees

mysql> select sum(salary) as 'Total Salary' from empsalary where ispermanent='Yes';

+--------------+

| Total Salary |

+--------------+

| 16200 |

+--------------+

1 row in set (0.00 sec)

7. List name of all employees whose name ends with a.

mysql> select empname as ‘Names’ from employee where empname like '%a';

+---------+

| Names|

+---------+

| Isha |

| Priya |

| Neha |

+---------+

3 rows in set (0.00 sec)

8. List the number of department of employees in each project.

mysql> select department from employee join empproject on employee.empid=empproject.empid;

+------------+

| department |

+------------+

| E-101 |

| E-104 |

| E-104 |

| E-102 |

| E-101 |

+------------+

5 rows in set (0.00 sec)

9. How many projects started in year 2010.

mysql> select count(\*) as 'No of Projects started in 2010' from empproject where startyear=2010;

+-------------------------------+

| No of Projects started in 2010 |

+-------------------------------+

| 1 |

+-------------------------------+

1 row in set (0.00 sec)

10. How many projects started and finished in the same year.

mysql> select count(\*) as 'No of Projects Started and Ended in same year' from empproject where start

year=endyear;

+----------------------------------------------+

| No of Projects Started and Ended in same year |

+----------------------------------------------+

| 2 |

+----------------------------------------------+

1 row in set (0.00 sec)

11. Select the name of the employee whose name's 3rd character is 'h'.

mysql> select empname from employee where empname like '\_\_h%'

+----------+

| empname |

+----------+

| Isha |

| Neha |

| Rahul |

| Abhishek |

+----------+

4 rows in set (0.00 sec)

Stored Procedures:

1. Create SP for Insert, Update and Delete on Employee table
   1. SP for Insert :

mysql> delimiter //

mysql>create procedure insertEmployee

(

IN empid int,

IN empname varchar(100),

IN department varchar(50),

IN contactno bigint,

IN emailid varchar(100),

IN empheadid int

)

Begin

INSERT INTO employee (empid,empname,department,contactno,emailid,empheadid)

VALUES (empid,empname,department,contactno,emailid,empheadid);

End //

OK, 0 rows affected (0.03 sec)

* 1. SP for Update :

mysql> delimiter //

mysql> create procedure updateEmployee

-> (

-> IN empid int,

-> IN empname varchar(100),

-> IN department varchar(50),

-> IN contactno bigint,

-> IN emailid varchar(100),

-> IN empheadid int)

-> Begin

-> update employee set empname=empname,

department=department,

contactno=contactno,

emailid=emailid ,

empheadid=empheadid

-> where empid=empid;

-> end //

Query OK, 0 rows affected (0.00 sec)

* 1. SP for Delete:

1. Create SP to display Employee info with maximum salary

mysql> delimiter //

mysql> create procedure maxSalary()

-> begin

-> select employee.\*,max(salary) as 'Salary' from employee join empsalary on employee.empid=emps

alary.empid;

-> end //

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;