

## **DBMS ASSIGNMENT ( SY\_A , Batch : AS1, Roll\_No : 28 )**

- 1. Write an SQL query that return the pno and name from projects with a budget greater than \$100000**

```
mysql> select pno,pname from proj where budget>100000;
+-----+-----+
| pno | pname          |
+-----+-----+
|   1 | Payroll System |
|   2 | Web Application |
|   3 | Accounting Software |
+-----+-----+
3 rows in set (0.02 sec)
```

- 2. Write an SQL query that returns all works on records where hours worked is less than 10 and responsibility is manager.**

```
mysql> select * from works_on where (hours<10) and (resp="Manager");
+-----+-----+-----+-----+
| eno | pno | resp    | hours |
+-----+-----+-----+-----+
| 105 |    4 | Manager |      9 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

- 3. Write an SQL query that return the employees number and name only who have a title of "Manager" or "Tester" and make more than \$35000.**

```
mysql> select eno,ename from emp where (title = "Manager" or title = "Tester") and salary>35000;
+-----+-----+
| eno | ename |
+-----+-----+
| 101 | Amit  |
| 104 | Neha  |
+-----+-----+
2 rows in set (0.00 sec)
```

**4. Write an SQL query that returns employee name order by decreasing salary.**

```
mysql> select ename from emp order by salary desc;
+-----+
| ename |
+-----+
| Amit  |
| Rohit |
| Sneha |
| Neha  |
+-----+
4 rows in set (0.00 sec)
```

**5. Write an SQL query that returns the depts all fields order by ascending dname.**

```
mysql> select * from dept order by dname asc;
+-----+-----+-----+
| dno | dname | mgrno |
+-----+-----+-----+
|   30 | Finance |    103 |
|   10 | HR      |    101 |
|   20 | IT      |    102 |
+-----+-----+-----+
3 rows in set (0.02 sec)
```

**6. Write an SQL query that returns eno, name, title and salary of those employees whose name start with letter A.**

```
mysql> select eno,ename,title,salary from emp where ename like 'A%';
+-----+-----+-----+-----+
| eno | ename | title  | salary |
+-----+-----+-----+-----+
| 101 | Amit  | Manager | 75000.00 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

**7. Write an SQL query to display all records of project where pname ends with letter A.**

```
mysql> select * from proj where pname like '%A';
+----+-----+-----+----+
| pno | pname | budget | dno |
+----+-----+-----+----+
|   4 | Media | 180000.00 |   20 |
+----+-----+-----+----+
1 row in set (0.00 sec)
```

**8. Write an SQL query to display all records of dept where dname begins with "civ" followed by two characters.**

```
mysql> select * from dept where dname like 'civ__';
+----+-----+----+
| dno | dname | mgrno |
+----+-----+----+
|  40 | civil |   201 |
+----+-----+----+
1 row in set (0.00 sec)
```

**9. Write an SQL query to display all the records of dept where dname should contain 7 characters only.**

```
mysql> select * from dept where dname like '_____';
+----+-----+----+
| dno | dname | mgrno |
+----+-----+----+
|  30 | Finance |   103 |
+----+-----+----+
1 row in set (0.00 sec)
```

**10. Write an SQL query to display all records of employees whose salary starts with 8 in 1<sup>st</sup> position has any two characters in the 2<sup>nd</sup> and 3<sup>rd</sup> position and then has 3 in 4<sup>th</sup> position.**

```
mysql> select * from emp where salary like '8__3%';
+----+-----+-----+-----+----+
| eno | ename | bdate | title | salary | dno |
+----+-----+-----+-----+----+
| 201 | Ravi | 1999-04-12 | Engineer | 81235.00 |   10 |
+----+-----+-----+-----+----+
1 row in set (0.00 sec)
```