

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 \$10000

```
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 1st position has any two characters in the 2nd and 3rd position and then has 3 in 4th 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)
```