PRACTICE PROBLEMS ON SQL QUERIES

1.Write an SQL query to fetch worker names with salaries >= 50000 and <= 100000.

The required query is

```
SELECT CONCAT(FIRST_NAME, ' ', LAST_NAME) As Worker_Name,    Salary

FROM worker

WHERE WORKER_ID IN

(SELECT WORKER_ID FROM worker

WHERE Salary BETWEEN 50000 AND 100000);
```

2. Write an SQL query to fetch the no. of workers for each department in the descending order.

The required query is

```
SELECT DEPARTMENT, count(WORKER_ID) No_Of_Workers

FROM worker

GROUP BY DEPARTMENT

ORDER BY No_Of_Workers DESC;
```

3. Write an SQL query to print details of the Workers who are also Managers.

The required query is

```
SELECT DISTINCT W.FIRST_NAME, T.WORKER_TITLE

FROM Worker W

INNER JOIN Title T

ON W.WORKER_ID = T.WORKER_REF_ID
```

AND T.WORKER_TITLE in ('Manager');

4.**Write an SQL query to fetch duplicate records having matching data in some fields of a table.**

The required query is

```
SELECT WORKER_TITLE, AFFECTED_FROM, COUNT(*)

FROM Title

GROUP BY WORKER_TITLE, AFFECTED_FROM

HAVING COUNT(*) > 1;
```

5. Write an SQL query to show only odd rows from a table.

The required query is

```
SELECT * FROM Worker WHERE MOD (WORKER_ID, 2) <> 0;
```

6.Write an SQL query to show only even rows from a table.

The required query is

```
SELECT * FROM Worker WHERE MOD (WORKER_ID, 2) = 0;
```

7.Write an SQL query to clone a new table from another table.

The required query is

The general way to clone a table without information is

```
SELECT * INTO WorkerClone FROM Worker;
```

The general way to clone a table without information is:

```
SELECT * INTO WorkerClone FROM Worker WHERE 1 = 0;
```

An alternate way to clone a table (for MySQL) without is:

```
CREATE TABLE WorkerClone LIKE Worker;
```

8.Write an SQL query to fetch intersecting records of two tables.

The required query is

```
(SELECT * FROM Worker)

INTERSECT

(SELECT * FROM WorkerClone);
```

9.Write an SQL query to show records from one table that another table does not have.

The required query is

```
SELECT * FROM Worker

MINUS

SELECT * FROM Title;
```

10.Write an SQL query to show the current date and time.

Following MySQL query returns the current date:

```
SELECT CURDATE();
```