



Assignment-1

Execute the following query in your WORKBENCH

```
CREATE DATABASE ORG;  
USE ORG;
```

```
CREATE TABLE Worker (  
  WORKER_ID INT NOT NULL PRIMARY KEY AUTO_INCREMENT,  
  FIRST_NAME CHAR(25),  
  LAST_NAME CHAR(25),  
  SALARY INT(15),  
  JOINING_DATE DATETIME,  
  DEPARTMENT CHAR(25)  
);
```

```
INSERT INTO Worker  
(WORKER_ID, FIRST_NAME, LAST_NAME, SALARY, JOINING_DATE,  
DEPARTMENT) VALUES  
(001, 'Monika', 'Arora', 100000, '14-02-20 09.00.00', 'HR'),  
(002, 'Niharika', 'Verma', 80000, '14-06-11 09.00.00', 'Admin'),  
(003, 'Vishal', 'Singhal', 300000, '14-02-20 09.00.00', 'HR'),  
(004, 'Amitabh', 'Singh', 500000, '14-02-20 09.00.00', 'Admin'),  
(005, 'Vivek', 'Bhati', 500000, '14-06-11 09.00.00', 'Admin'),  
(006, 'Vipul', 'Diwan', 200000, '14-06-11 09.00.00', 'Account'),  
(007, 'Satish', 'Kumar', 75000, '14-01-20 09.00.00', 'Account'),  
(008, 'Geetika', 'Chauhan', 90000, '14-04-11 09.00.00', 'Admin');
```

Structured Query Language



After Executing the above query, Answer the following questions with writing the appropriate queries.

Question 1:

Write an SQL query to fetch "FIRST_NAME" from the Worker table using the alias name <WORKER_NAME>.

```
SELECT FIRST_NAME AS WORKER_NAME FROM WORKER;
```

Question 2:

Write an SQL query to fetch unique values of DEPARTMENT from the Worker table.

```
SELECT DISTINCT DEPARTMENT FROM WORKER;
```

Question 3:

Write an SQL query to print the first three characters of FIRST_NAME from the Worker table.

```
SELECT SUBSTRING(FIRST_NAME, 1, 3) AS SubstringOfFirst_Name  
FROM WORKER;
```

Question 4:

Write an SQL query that fetches the unique values of DEPARTMENT from the Worker table and prints its length.

```
SELECT DISTINCT DEPARTMENT, LENGTH(DEPARTMENT) AS  
LengthOfDepartmentName FROM WORKER;
```

Question 5:

Write an SQL query to print all Worker details from the Worker table order by FIRST_NAME Ascending and DEPARTMENT Descending.

```
SELECT * FROM WORKER ORDER BY FIRST_NAME ASC , DEPARTMENT DESC;
```

Question 6:

Write an SQL query to print details of Workers with DEPARTMENT name as "Admin".

```
SELECT * FROM WORKER WHERE DEPARTMENT = 'Admin';
```

Question 7:

Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.

```
SELECT * FROM WORKER WHERE SALARY BETWEEN 100000 AND  
500000;
```

Question 8:

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

```
SELECT FIRST_NAME , LAST_NAME , SALARY FROM WORKER WHERE SALARY  
BETWEEN 50000 AND 100000;
```

Question 9:

Write an SQL query to show only even rows from the WORKER table.

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

Question 10:

Write an SQL query to print details of the Workers who joined in Feb'2014.

```
SELECT * FROM WORKER WHERE JOINING_DATE BETWEEN '14-02-01' AND '14-02-30';
```

Submission: The Entire assignment should be submitted by the end of the week (Friday,30/06/2023),You have to Submit one SQL Script in which all the Answer Queries included. Upload the script in your GitHub Account.