MUHAMMAD AHMED RAZA

```
--Q-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;
```

	WORKER_NAME
1	Monika
2	Niharika
3	Vishal
4	Amitabh
5	Vivek
6	Vipul
7	Satish
8	Geetika

```
-- Q-2. Write an SQL query to fetch “FIRST_NAME” from the Worker table in upper case.
                            select upper(FIRST_NAME) from worker;
```

	FIRST_NAME
1	MONIKA
2	NIHARIKA
3	VISHAL
4	AMITABH
5	VIVEK
6	VIPUL
7	SATISH
8	GEETIKA

```
--Q-3. Write an SQL query to fetch unique values of DEPARTMENT from the Worker table.
                            select distinct DEPARTMENT from worker;
```

	DEPARTMENT
1	Account
2	Admin
3	HR

```
--Q-4. Write an SQL query to print the first three characters of FIRST_NAME from the
                                    Worker table.
select substring(FIRST_NAME,1,3) from worker
```

	FIRST_NAME
1	Mon
2	Nih
3	Vis
4	Ami
5	Viv
6	Vip
7	Sat
8	Gee

```
--Q-5. Write an SQL query to find the position of the alphabet (‘a’) in the first name
                        column ‘Amitabh’ from the Worker table.
                           SELECT CHARINDEX('a', 'Amitabh');
```

	(No column name)
1	1

```
--Q-6.Write an SQL query to print the FIRST_NAME from the Worker table after removing
                        white spaces from the right side.
                        select RTRIM(FIRST_NAME) from worker
```

	(No column name)
1	Monika
2	Niharika
3	Vishal
4	Amitabh
5	Vivek
6	Vipul
7	Satish
8	Geetika

```
--Q-7. Write an SQL query to print the DEPARTMENT from the Worker table after removing
                        white spaces from the left side.
                        select LTRIM(DEPARTMENT) from worker
```

	(No column name)
1	HR
2	Admin
3	HR
4	Admin
5	Admin
6	Account
7	Account
8	Admin

```
--Q-8. Write an SQL query that fetches the unique values of DEPARTMENT from the Worker
                        table and prints its length.
                        select distinct(len(DEPARTMENT)) from worker;
```

	(No column name)
1	2
2	5
3	7

```
--Q-9. Write an SQL query to print the FIRST_NAME from the Worker table after replacing
                                    ‘a’ with ‘A’.
select REPLACE(FIRST_NAME,'a','A') FROM worker
```

	(No column name)
1	MonikA
2	NihArikA
3	VishAl
4	AmitAbh
5	Vivek
6	Vipul
7	SAtish
8	GeetikA

```
--Q-10. Write an SQL query to print the FIRST_NAME and LAST_NAME from the Worker table
                        into a single column COMPLETE_NAME.
                        --A space char shouldseparate them.
select concat(FIRST_NAME,' ',LAST_NAME) AS COMPLETE_NAME FROM worker
```

	COMPLETE_NAME
1	Monika Arora
2	Niharika Verma
3	Vishal Singhal
4	Amitabh Singh
5	Vivek Bhati
6	Vipul Diwan
7	Satish Kumar
8	Geetika Chauhan

```
--Q-11. Write an SQL query to print all Worker details from the Worker table order by
                                    FIRST_NAME Ascending.
SELECT * FROM WORKER ORDER BY  FIRST_NAME ASC
```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	4	Amitabh	Singh	500000.00	2021-02-20	Admin
2	8	Geetika	Chauhan	90000.00	2021-04-11	Admin
3	1	Monika	Arora	100000.00	2021-02-20	HR
4	2	Niharika	Verma	80000.00	2021-06-11	Admin
5	7	Satish	Kumar	75000.00	2021-01-20	Account
6	6	Vipul	Diwan	200000.00	2021-06-11	Account
7	3	Vishal	Singhal	300000.00	2021-02-20	HR
8	5	Vivek	Bhati	500000.00	2021-06-11	Admin

```sql
--Q-12. 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
```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	4	Amitabh	Singh	500000.00	2021-02-20	Admin
2	8	Geetika	Chauhan	90000.00	2021-04-11	Admin
3	1	Monika	Arora	100000.00	2021-02-20	HR
4	2	Niharika	Verma	80000.00	2021-06-11	Admin
5	7	Satish	Kumar	75000.00	2021-01-20	Account
6	6	Vipul	Diwan	200000.00	2021-06-11	Account
7	3	Vishal	Singhal	300000.00	2021-02-20	HR
8	5	Vivek	Bhati	500000.00	2021-06-11	Admin

Q-13

```sql
--procedure--
CREATE PROCEDURE insertValue
    @id INT,
    @first_name VARCHAR(100),
    @last_name VARCHAR(100),
    @salary DECIMAL,
    @joiningdate DATETIME,
    @department VARCHAR(100)
AS
BEGIN
    INSERT INTO worker (WORKER_ID, FIRST_NAME, LAST_NAME, SALARY, JOINING_DATE, DEPARTMENT)
    VALUES (@id, @first_name, @last_name, @salary, @joiningdate, @department);
END;
EXEC insertValue 9,'Ahmed','Raza',50000.00,'2023-4-27','HR'
select * from worker
```

9	9	Ahmed	Raza	50000.00	2023-04-27	HR

```sql
select * from worker
```

```sql
Q-14-- veiws--
create view workerVeiws
as
select * from worker
select * from workerVeiws
```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMENT
1	1	Monika	Arora	100000.00	2021-02-20	HR
2	2	Niharika	Verma	80000.00	2021-06-11	Admin
3	3	Vishal	Singhal	300000.00	2021-02-20	HR
4	4	Amitabh	Singh	500000.00	2021-02-20	Admin
5	5	Vivek	Bhati	500000.00	2021-06-11	Admin
6	6	Vipul	Diwan	200000.00	2021-06-11	Account
7	7	Satish	Kumar	75000.00	2021-01-20	Account
8	8	Geetika	Chauhan	90000.00	2021-04-11	Admin
9	9	Ahmed	Raza	50000.00	2023-04-27	HR

```sql
--SELCT WHERE SALARY >100,000
select * FROM workerVeiws WHERE SALARY > 100000
```

	WORKER_ID	FIRST_NAME	LAST_NAME	SALARY	JOINING_DATE	DEPARTMEN
1	3	Vishal	Singhal	300000.00	2021-02-20	HR
2	4	Amitabh	Singh	500000.00	2021-02-20	Admin
3	5	Vivek	Bhati	500000.00	2021-06-11	Admin
4	6	Vipul	Diwan	200000.00	2021-06-11	Account

Q-15–triggers

```sql
create trigger insertData on WORKER
for insert
as begin
insert into addData
select WORKER_ID,DEPARTMENT from worker
END
INSERT INTO worker values(10,'Micky','Mouse',300000.00,'2021-05-30','Account')
SELECT * FROM addData
```

	w_id	w_department
1	1	HR
2	2	Admin
3	3	HR
4	4	Admin
5	5	Admin
6	6	Account
7	7	Account
8	8	Admin
9	9	HR
10	10	Account