

# VIEW CREATION

Create a table **student\_data** with the following fields: roll number(primary key), name, age, place.

```
SQL> create table student_data(rollno int primary key,name varchar(20),age int,place varchar(20));
Table created.
```

- a. Create a **view** which contains only roll number and name.

```
SQL> create view a(rollno,name) as select rollno,name from student_data;
View created.
```

- b. List the data of the view.

```
SQL> select * from a;
```

ROLLNO	NAME
1	SUSAN
2	SUMAYYA
3	ALU
4	ANNU
5	REEBS

- c. Describe the view.

```
SQL> desc a;
```

Name	Null?	Type
ROLLNO	NOT NULL	NUMBER(38)
NAME		VARCHAR2(20)

- d. Insert a value into the view and list the view and table.

```
SQL> insert into student_data values(6,'MILU',18,'MANIMALA');
```

```
1 row created.
```

```
SQL> SELECT * FROM A;
```

ROLLNO	NAME
1	SUSAN
2	SUMAYYA
3	ALU
4	ANNU
5	REEBS
6	MILU

```
6 rows selected.
```

```
SQL> SELECT * FROM STUDENT_DATA;
```

ROLLNO	NAME	AGE	PLACE
1	SUSAN	21	PAMPADY
2	SUMAYYA	50	KOLLAM
3	ALU	25	PAMPADY
4	ANNU	20	KOTTAYAM
5	REEBS	30	KANJIRAPALLY
6	MILU	18	MANIMALA

```
6 rows selected.
```

- e. Update a value in the view and list the view and table.

```
SQL> update a set rollno=61 where name='SUMAYYA';
```

```
1 row updated.
```

```
SQL> SELECT * FROM A;
```

ROLLNO	NAME
1	SUSAN
61	SUMAYYA
3	ALU
4	ANNU
5	REEBS
6	MILU

```
6 rows selected.
```

```
SQL> SELECT * FROM STUDENT_DATA;
```

ROLLNO	NAME	AGE	PLACE
1	SUSAN	21	PAMPADY
61	SUMAYYA	50	KOLLAM
3	ALU	25	PAMPADY
4	ANNU	20	KOTTAYAM
5	REEBS	30	KANJIRAPALLY
6	MILU	18	MANIMALA

```
6 rows selected.
```

- f. Delete a value in the table and list the view and table.

```
SQL> delete from student_data where name='MILU';
```

```
1 row deleted.
```

```
SQL> SELECT * FROM A;
```

ROLLNO	NAME
1	SUSAN
61	SUMAYYA
3	ALU
4	ANNU
5	REEBS

```
SQL> SELECT * FROM STUDENT_DATA;
```

ROLLNO	NAME	AGE	PLACE
1	SUSAN	21	PAMPADY
61	SUMAYYA	50	KOLLAM
3	ALU	25	PAMPADY
4	ANNU	20	KOTTAYAM
5	REEBS	30	KANJIRAPALLY

- g. Create another view which contains name and age column and check whether the above operations are possible in this view

```
SQL> create view b (name,age) as select name,age from student_data;
```

```
View created.
```

```
SQL> SELECT * FROM B;
```

NAME	AGE
SUSAN	21
SUMAYYA	50
ALU	25
ANNU	20
REEBS	30

```
SQL> desc b;
```

Name	Null?	Type
NAME		VARCHAR2(20)
AGE		NUMBER(38)

```
SQL> insert into student_data values(6,'MILU',18,'MANIMALA');
```

```
1 row created.
```

```
SQL> select * from student_data;
```

ROLLNO	NAME	AGE	PLACE
1	SUSAN	21	PAMPADY
61	SUMAYYA	50	KOLLAM
3	ALU	25	PAMPADY
4	ANNU	20	KOTTAYAM
5	REEBS	30	KANJIRAPALLY
6	MILU	18	MANIMALA

```
6 rows selected.
```

```
SQL> select * from b;
```

NAME	AGE
SUSAN	21
SUMAYYA	50
ALU	25
ANNU	20
REEBS	30
MILU	18

```
6 rows selected.
```

```
SQL> update b set age=21 where name='SUMAYYA';
```

```
1 row updated.
```

```
SQL> select * from b;
```

NAME	AGE
SUSAN	21
SUMAYYA	21
ALU	25
ANNU	20
REEBS	30
MILU	18

```
6 rows selected.
```

```
SQL> select * from student_data;
```

ROLLNO	NAME	AGE	PLACE
1	SUSAN	21	PAMPADY
61	SUMAYYA	21	KOLLAM
3	ALU	25	PAMPADY
4	ANNU	20	KOTTAYAM
5	REEBS	30	KANJIRAPALLY
6	MILU	18	MANIMALA

```
6 rows selected.
```

```
SQL> delete from student_data where name='MILU';
```

```
1 row deleted.
```

```
SQL> SELECT * FROM A;
```

ROLLNO	NAME
1	SUSAN
61	SUMAYYA
3	ALU
4	ANNU
5	REEBS

```
SQL> SELECT * FROM STUDENT_DATA;
```

ROLLNO	NAME	AGE	PLACE
1	SUSAN	21	PAMPADY
61	SUMAYYA	21	KOLLAM
3	ALU	25	PAMPADY
4	ANNU	20	KOTTAYAM
5	REEBS	30	KANJIRAPALLY