

VIEW CREATION

Create a table student_data with the following fields: roll number(primary key), name, age, place.

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

Ans:

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

b. List the data of the view.

Ans:

```
SQL> select * from detail;
```

ROLLNO	NAME
69	Vivek
70	Zemeel
61	Sumayya
15	Krishnendu

c. Describe the view.

Ans:

```
SQL> desc detail;
```

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

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

Ans:

```
SQL> select * from detail;

ROLLNO NAME
-----
69 Vivek
70 Zemeel
61 Sumayya
15 Krishnendu
40 Prinu

SQL> select * from student_data;

ROLLNO NAME          AGE PLACE
-----
69 Vivek             19 Pala
70 Zemeel             20 Kasaragod
61 Sumayya            20 Punalur
15 Krishnendu         21 Cherthala
40 Prinu
```

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

Ans:

```
SQL> update detail set rollno = 41 where rollno = 40;

1 row updated.

SQL> select * from detail;

ROLLNO NAME
-----
69 Vivek
70 Zemeel
61 Sumayya
15 Krishnendu
41 Prinu

SQL> select * from student_data;

ROLLNO NAME          AGE PLACE
-----
69 Vivek             19 Pala
70 Zemeel             20 Kasaragod
61 Sumayya            20 Punalur
15 Krishnendu         21 Cherthala
41 Prinu
```

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

Ans:

```
SQL> delete from student_data where rollno = 41;
```

1 row deleted.

```
SQL> select * from detail;
```

ROLLNO	NAME
69	Vivek
70	Zemeel
61	Sumayya
15	Krishnendu

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

ROLLNO	NAME	AGE	PLACE
69	Vivek	19	Pala
70	Zemeel	20	Kasaragod
61	Sumayya	20	Punalur
15	Krishnendu	21	Cherthala

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

Ans:

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

ROLLNO	NAME	AGE	PLACE
69	Vivek	19	Pala
70	Zemeel	20	Kasaragod
61	Sumayya	20	Punalur
15	Krishnendu	21	Cherthala

```
SQL> create view details2 (name, age) as select name, age from student_data;
```

View created.

```
SQL> insert into details2 values('Prinu',20);
```

```
insert into details2 values('Prinu',20)
```

*

ERROR at line 1:

ORA-01400: cannot insert NULL into ("VIVEKMKN"."STUDENT_DATA"."ROLLNO")