**VIEW**

SQL\*Plus: Release 10.2.0.1.0 - Production on Mon Dec 26 09:59:38 2022

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SQL> connect system

Enter password:

Connected.

SQL> create table Stude

2 (sid number(4) primary key,

3 Firstname char(10),

4 Lastname varchar(5),

5 Age number(4));

Table created.

SQL> insert into stude values(101,'Yuvashree','R',20);

1 row created.

SQL> insert into stude values(102,'Ajitha','J',25);

1 row created.

SQL> insert into stude values(103,'Ram','k',34);

1 row created.

SQL> insert into stude values(104,'Priya','S',30);

1 row created.

SQL> insert into stude values(105,'Shiva','D',40);

1 row created.

SQL> select \* from stude;

SID FIRSTNAME LASTN AGE

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101 Yuvashree R 20

102 Ajitha J 25

103 Ram k 34

104 Priya S 30

105 Shiva D 40

SQL> create table dept

2 (sid number(4) references stude,

3 deptname char(10));

Table created.

SQL> insert into dept values(101,'CS');

1 row created.

SQL> insert into dept values(102,'Maths');

1 row created.

SQL> insert into dept values(103,'Physcis');

1 row created.

SQL> insert into dept values(104,'Civil');

1 row created.

SQL> insert into dept values(105,'Maths');

1 row created.

SQL> select \* from dept;

SID DEPTNAME

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101 CS

102 Maths

103 Physcis

104 Civil

105 Maths

SQL>create table contact

(sid number(4) references stude,

mailid varchar(15),

mobileno number(10));

SQL>insert into contact values(101,’ abc@gmail.com’, 9876547890);

1 row created.

SQL>insert into contact values(102,’ game@gmail.com’, 6789012345);

1 row created.

SQL> insert into contact values(103,'xyz12@gmail.com',8901234567);

1 row created.

SQL> insert into contact values(104,'sgh@gmail.com',8901234567);

1 row created.

SQL> insert into contact values(105,'racer@gmail.com',6789012345);

1 row created.

SQL> select \* from contact;

SID MAILID MOBILENO

---------- --------------- ----------

101 abc@gmail.com 9876547890

102 game@gmail.com 6789012345

103 xyz12@gmail.com 8901234567

104 sgh@gmail.com 8901234567

105 racer@gmail.com 6789012345

create view view1 as select stude.sid,stude.Firstname,dept.deptname,contact.mailid from stude,dept,contact where stude.sid=dept.sid and stude.sid=contact.sid;

View created.

SQL> select \* from view1;

SID FIRSTNAME DEPTNAME MAILID

---------- ---------- ---------- ---------------

101 Yuvashree CS abc@gmail.com

102 Ajitha Maths game@gmail.com

103 Ram Physcis xyz12@gmail.com

104 Priya Civil sgh@gmail.com

105 Shiva Maths [racer@gmail.com](mailto:racer@gmail.com)

SQL> update contact set mobileno=1234567890 where sid=101;

1 row updated.

SQL> select \* from contact;

SID MAILID MOBILENO

---------- --------------- ----------

101 abc@gmail.com 1234567890

102 game@gmail.com 6789012345

103 xyz12@gmail.com 8901234567

104 sgh@gmail.com 8901234567

105 racer@gmail.com 6789012345

SQL> select \* from view1;

SID FIRSTNAME DEPTNAME MAILID

---------- ---------- ---------- ---------------

101 Yuvashree CS abc@gmail.com

102 Ajitha Maths game@gmail.com

103 Ram Physcis xyz12@gmail.com

104 Priya Civil sgh@gmail.com

105 Shiva Maths racer@gmail.com

SQL> update contact set mailid='yuva@gmail.com' where sid=101;

1 row updated.

SQL> select \* from contact;

SID MAILID MOBILENO

---------- --------------- ----------

101 yuva@gmail.com 1234567890

102 game@gmail.com 6789012345

103 xyz12@gmail.com 8901234567

104 sgh@gmail.com 8901234567

105 racer@gmail.com 6789012345

SQL> select \* from view1;

SID FIRSTNAME DEPTNAME MAILID

---------- ---------- ---------- ---------------

101 Yuvashree CS yuva@gmail.com

102 Ajitha Maths game@gmail.com

103 Ram Physcis xyz12@gmail.com

104 Priya Civil sgh@gmail.com

105 Shiva Maths racer@gmail.com

SQL> select \* from stude;

SID FIRSTNAME LASTN AGE

---------- ---------- ----- ----------

101 Yuvashree R 20

102 Ajitha J 25

103 Ram k 34

104 Priya S 30

105 Shiva D 40

SQL> select \* from dept;

SID DEPTNAME

---------- ----------

101 CS

102 Maths

103 Physcis

104 Civil

105 Maths

SQL> select \* from contact;

SID MAILID MOBILENO

---------- --------------- ----------

101 yuva@gmail.com 1234567890

102 game@gmail.com 6789012345

103 xyz12@gmail.com 8901234567

104 sgh@gmail.com 8901234567

105 racer@gmail.com 6789012345

SQL> select \* from view1;

SID FIRSTNAME DEPTNAME MAILID

---------- ---------- ---------- ---------------

101 Yuvashree CS yuva@gmail.com

102 Ajitha Maths game@gmail.com

103 Ram Physcis xyz12@gmail.com

104 Priya Civil sgh@gmail.com

105 Shiva Maths racer@gmail.com

**INDEX**

SQL> create table studen

2 (id number(5) primary key,

3 name varchar(10),

4 dept char(10));

Table created.

SQL> insert into studen values(1,'Raj','CS');

1 row created.

SQL> insert into studen values(2,'Priya','Maths');

1 row created.

SQL> insert into studen values(3,'Ram','Physics');

1 row created.

SQL> insert into studen values(4,'Suji','Chemistry');

1 row created.

SQL> insert into studen values(5,'Sheela','Maths');

1 row created.

SQL> insert into studen values(6,'Kamal','Biology');

1 row created.

SQL> select \* from studen;

ID NAME DEPT

---------- ---------- ----------

1 Raj CS

2 Priya Maths

3 Ram Physics

4 Suji Chemistry

5 Sheela Maths

6 Kamal Biology

6 rows selected.

SQL> create index index1 on studen(id,name);

Index created.

SQL> desc studen;

Name Null? Type

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ID NOT NULL NUMBER(5)

NAME VARCHAR2(10)

DEPT CHAR(10)

SQL> create unique index i1 on studen(id,dept);

Index created.

SQL> drop index i1;

Index dropped.

SQL> drop index index1;

Index dropped.