

MID-TERM

Q1) CREATING TABLES R1 AND R2 AND INSERTING VALUES

```

Activities Sep 20 3:05 PM
matlab@sjt317scope041: ~

create table rR2(course_id numeric(5) not null primary key, title varchar2(10),dept_name varchar2(10),credits varchar2(10), foreign key(course_id) references rR1(course_id));

Table created.

insert into rR1 values(101,87,'semester1',TO_DATE('2022-01-01','YYYY-MM-DD'));

1 row created.

insert into rR1 values(102,86,'semester2',TO_DATE('2023-08-02','YYYY-MM-DD'));

1 row created.

insert into rR1 values(102,96,'semester3',TO_DATE('2021-04-02','YYYY-MM-DD'));

1 row created.

insert into rR1 values(104,99,'semester4',TO_DATE('2024-08-19','YYYY-MM-DD'));

1 row created.

insert into rR2 values(87,'maths','scope','3');

1 row created.

insert into rR2 values(86,'Physics','sense','4');

1 row created.

insert into rR2 values(96,'Chemistry','Electrical','3');

1 row created.

insert into rR2 values(99,'DBMS','scope','4');

1 row created.

```

DISPLAYING THE CREATED TABLES

```

select * from rR1;

  STU_ID  COURSE_ID SEMESTER  YEAR
-----
    101         87 semester1 01-JAN-22
    102         86 semester2 02-AUG-23
    102         96 semester3 02-APR-21
    104         99 semester4 19-AUG-24

select * from rR2;

COURSE_ID TITLE      DEPT_NAME CREDITS
-----
    87 maths      scope      3
    86 Physics    sense      4
    96 Chemistry  Electrical 3
    99 DBMS      scope      4

```

Q2) COUNTING DISTINCT VALUES OF ATTRIBUTE STUDENT_ID IN R1 AND OUTPUTTING IT AS COUNT_ID

```
select count (distinct stu_id) as COUNT_ID from rR1;
```

```
  COUNT_ID  
-----  
          3
```

Q3)

UPDATING THE CREDITS OF COURSE M TO N AND N TO M. AND PRESENTING THE COURSE_ID AND CREDITS (updated) as UPDATED_CR(updated credits)

```
update rR2 set credits=case when credits=3 then 4 when credits=4 then 3 end;
```

```
4 rows updated.
```

```
select course_Id, credits as updated_credits from rR2;
```

```
  COURSE_ID  UPDATED_CR  
-----  
          87         4  
          86         3  
          96         4  
          99         3
```