

NAME : ANIRBAN HAZRA

SECTION : CSE - 16

ROLL NO. : 2005643

CSE16_Student 1 table create :

```
SQL> create table CSE16_Student1 (S_ID int primary key , S_Name varchar(10) Not Null , Project_name varchar(20) not null , Mark Number(2) Not Null , Project_joining Date,
CONSTRAINT chk CHECK( Project_joining >= '01-Jun-2020' ));
Table created.
```

CSE16_Student 1 table insert:

```
SQL> insert into CSE16_Student1 values ( 6001 , 'Rahul' , 'Java' , 82 , '15-Jul-2020' );
1 row created.

SQL> insert into CSE16_Student1 values ( 6002 , 'Dipti' , 'Python' , 75 , '21-Dec-2020' );
1 row created.

SQL> insert into CSE16_Student1 values ( 6003 , 'Bikas' , 'DBMS , MATLAB' , 93 , '11-Jan-2021' );
1 row created.

SQL> insert into CSE16_Student1 values ( 6004 , 'Neil' , 'MATLAB' , 95 , '12-Jan-2021' );
1 row created.

SQL> insert into CSE16_Student1 values ( 6005 , 'Anirban' , 'PLSQL' , 94 , '13-Jan-2021' );
1 row created.

SQL> commit;
```

CSE16_Student 1 table :

```
SQL> select * from CSE16_Student1 ;
```

S_ID	S_NAME	PROJECT_NAME	MARK	PROJECT_J
6001	Rahul	Java	82	15-JUL-20
6002	Dipti	Python	75	21-DEC-20
6003	Bikas	DBMS , MATLAB	93	11-JAN-21
6004	Neil	MATLAB	95	12-JAN-21
6005	Anirban	PLSQL	94	13-JAN-21

Project_table2 table :

```
SQL> select * from project_table2 ;
```

SL_NO	PROJECT_COMPLETED	PROJECT_DURATION	S_ID
1	Java	9	6001
2	Python	3	6001
3	DBMS	6	6003
4	MATLAB	6	6003
5	PLSQL	5	6005

Queries :

A)Insert a new record according to your roll and name into CSE16_student1 table which will match to given CSE16_student1 table.

```
SQL> insert into CSE16_Student1 values ( 6006 , 'Anirban' , 'MATLAB' , 95 , '12-Jan-2021' );
1 row created.
```

B)Try to UPGRADE mark of those student having less than 80 to add more 5 mark extra each of them and display.

```
SQL> update cse16_student1 set mark=mark+5 where mark < 80 ;
1 row updated.
```

```
SQL> select * from cse16_student1 ;
```

S_ID	S_NAME	PROJECT_NAME	MARK	PROJECT_J
6001	Rahul	Java	82	15-JUL-20
6002	Dipti	Python	80	21-DEC-20
6003	Bikas	DBMS , MATLAB	93	11-JAN-21
6004	Neil	MATLAB	95	12-JAN-21
6005	Anirban	PLSQL	94	13-JAN-21
6006	Anirban	MATLAB	95	12-JAN-21

6 rows selected.

c) Add a new column age to CSE16_student1 table and at least update his/her age too.

```
SQL> alter table cse16_student1 add age number(2) ;  
Table altered.
```

d) Add one more row having S_ID 6003, S_name as “Bijay” and mark 91 with project name python and display it(by any means with new entered data).

e) Try to find name of each student with marks who has less mark than other students

```
SQL> select * from Cse16_student1 where mark = (select min(mark) from cse16_student1 ) ;
```

S_ID	S_NAME	PROJECT_NAME	MARK	PROJECT_J	AGE
6002	Dipti	Python	80	21-DEC-20	