

Assignment - 4

- i. Find the names of subjects for students of CSE 5th semester.

Select SubjectName from SUBJECT2076 where DeptCode = 'CSE' and Semester = 'SEM5';

```
SQL> Select SubjectName from SUBJECT2076 where DeptCode = 'CSE' and Semester = 'SEM5';

SUBJECTNAME
-----
Discrete Mathematics
Data Communication
Operating Systems
```

- ii. Find the roll numbers who got marks between 61 to 70 in CS501.

select RollNo from RESULT2076 where Marks >= 61 and Marks <=70 and Sub_code = 'CS501';

```
SQL> select RollNo from RESULT2076 where Marks >= 61 and Marks <=70 and Sub_code = 'CS501';

ROLLNO
-----
1001
```

- iii. Change the address of the student whose roll number is given.

Update STUDENT2076 set Address = 'Kaikhali, Kolkata' where RollNo = 2101;

```
SQL> Update STUDENT2076 set Address = 'Kaikhali, Kolkata' where RollNo = 2101;

1 row updated.

Commit complete.
SQL> select * from STUDENT2076 where RollNo = 2101;

      ROLLNO NAME                ADDRESS                PHONENO  YEAROFADM
-----
DEPT SEME BIRTHDATE
-----
      2101 ASHISH KUMAR          Kaikhali, Kolkata          6544332121      2017
ECE  SEM5 17-SEP-01
```

- iv. Increase the total number of student allocation of IT to 75.

Update DEPARTMENT2076 set Student_alloted = 75 where DeptCode = 'IT';

```
SQL> Update DEPARTMENT2076 set Student_alloted = 75 where DeptCode = 'IT';

1 row updated.

Commit complete.
SQL> select * from DEPARTMENT2076 where DeptCode = 'IT';

DEPT DEPTNAME                STUDENT_ALLOTED
-----
IT   Information Technology          75
```

v. Increase the total number of student allocation of CSE by 15.

Update DEPARTMENT2076 set Student_alloted = Student_alloted + 15 where DeptCode = 'CSE';

```
SQL> Update DEPARTMENT2076 set Student_alloted = Student_alloted + 15 where DeptCode = 'CSE';
1 row updated.

Commit complete.
SQL> select * from DEPARTMENT2076 where DeptCode = 'CSE';
```

DEPT	DEPTNAME	STUDENT_ALLOTED
CSE	Computer Science and Engineering	135

vi. Increase the marks of all students of subject CS302 by 5.

update RESULT2076 set Marks = Marks + 5 where Sub_code = 'CS302';

```
SQL> update RESULT2076 set Marks = Marks + 5 where Sub_code = 'CS302';
3 rows updated.

Commit complete.
SQL> select * from RESULT2076 where Sub_code = 'CS302';
```

ROLLNO	SUB_CODE	MARKS	PASSMARKS
1023	CS302	80	40
1029	CS302	76	40
1500	CS302	40	40

vii. Add a default phone number to all CSE 5th semester students who do not have phone number.

update STUDENT2076 set PhoneNo = 1234567890 where PhoneNo is null and DeptCode = 'CSE' and Semester = 'SEM5';

```
SQL> update STUDENT2076 set PhoneNo = 1234567890 where PhoneNo is null and DeptCode = 'CSE' and Semester = 'SEM5';
1 row updated.

Commit complete.
```

viii. Display the rows from RESULT where a student failed to obtain pass marks.

select * from RESULT2076 where Marks < PassMarks;

```
SQL> select * from RESULT2076 where Marks < PassMarks;
```

ROLLNO	SUB_CODE	MARKS	PASSMARKS
1001	CS502	38	40

ix. Add 2 marks to the students who failed for maximum 2 marks to any the subjects with CS code.

Update RESULT2076 set Marks = Marks +2 where Marks < PassMarks;

```
SQL> Update RESULT2076 set Marks = Marks +2 where Marks < PassMarks;
```

```
1 row updated.
```

```
Commit complete.
```

```
SQL> select * from RESULT2076 where RollNo = 1001;
```

ROLLNO	SUB_CODE	MARKS	PASSMARKS
1001	CS501	68	40
1001	CS502	40	40

x. Delete the student with given roll number from student table.

Delete from STUDENT2076 where RollNo = 3005;

```
SQL> Delete from STUDENT2076 where RollNo = 3005;
```

```
1 row deleted.
```

```
Commit complete.
```

xi. Display the students name, deptcode, semester who admitted before 2017 in alphabetical order of name.

select Name , DeptCode, Semester from STUDENT2076 where YearOfAdm <2017 order by Name ASC;

```
SQL> select Name , DeptCode, Semester from STUDENT2076 where YearOfAdm <2017 order by Name ASC;
```

NAME	DEPT	SEME
MOINAK GHOSH	CSE	SEM5
NIKHIL SINGH	ECE	SEM5
PARIMAL KUMAR	CSE	SEM5

xii. Display the roll number, subject code who got more than 90 in either CS301 or CS302.

Select RollNo , Sub_code from RESULT2076 where Marks > 90 and (Sub_code = 'CS301' or Sub_code = 'CS302');

```
SQL> Select RollNo , Sub_code from RESULT2076 where Marks > 90 and (Sub_code = 'CS301' or Sub_code = 'CS302');
```

ROLLNO	SUB_CODE
1023	CS301

xiii. Insert two students in students table.

```
insert into STUDENT2076 values(2076, 'AYUSH RAJ', 'VIP Road, Kolkata', 9835087544, 2022 ,  
'CSE' , 'SEM6' , to_date('10-09-2003','DD-MM-YYYY'));
```

```
insert into STUDENT2076 values(2078, 'ADARSH KUMAR', 'VIP Road, Kolkata', 9835087895,  
2022 , 'CSE' , 'SEM6' , to_date('12-04-2002','DD-MM-YYYY'));
```

```
SQL> insert into STUDENT2076 values(2076, 'AYUSH RAJ', 'VIP Road, Kolkata', 9835087544, 2022 , 'CSE' , 'SEM6' , to_date('10-09-2003','DD-MM-YYYY'));  
1 row created.  
Commit complete.  
SQL> insert into STUDENT2076 values(2078, 'ADARSH KUMAR', 'VIP Road, Kolkata', 9835087895, 2022 , 'CSE' , 'SEM6' , to_date('12-04-2002','DD-MM-YYYY'));  
1 row created.  
Commit complete.
```

xiv. Delete phone number of a given student.

```
update STUDENT2076 set PhoneNo = null where PhoneNo = 1234567890;
```

```
Commit complete.  
SQL> update STUDENT2076 set PhoneNo = null where PhoneNo = 1234567890;  
  
1 row updated.  
  
Commit complete.
```

xv. Display the roll number, subject code who got more than 40 form pass marks in either CS501 or CS502.

```
Select RollNo, Sub_code from RESULT2076 where Marks > PassMarks + 40 and (Sub_code =  
'CS501 or Sub_code = 'CS502');
```

```
SQL> Select RollNo, Sub_code from RESULT2076 where Marks > PassMarks + 40 and (Sub_code = 'CS501' or Sub_code = 'CS502');
```

ROLLNO	SUB_CODE
1003	CS501
1002	CS502
1003	CS502