

## Assignment – 6

i. Display name, phone number of students with 'a' as the second letter in their names who read subject CS301.

select Name, PhoneNo from STUDENT2076 where Name like '\_A%' and RollNo in (select RollNo from RESULT2076 where Sub\_code = 'CS301');

```
SQL> select Name, PhoneNo from STUDENT2076 where Name like '_A%' and RollNo in (select RollNo from RESULT2076 where Sub_code = 'CS301');

NAME                PHONENO
-----
NAITIK PRASAD
SAMPRIKTA BISWAS    8877565643
```

ii. Display the marks for all available subjects for the students who born in JUNE.

SELECT Marks FROM RESULT2076 WHERE RollNo IN (SELECT RollNo FROM STUDENT2076 WHERE to\_char(BirthDate, 'MM') = '06');

```
SQL> SELECT Marks FROM RESULT2076 WHERE RollNo IN (SELECT RollNo FROM STUDENT2076 WHERE to_char(BirthDate, 'MM') = '06');

no rows selected
```

iii. Show the student details of 5th semester Computer science and engineering Department.

SELECT \* FROM STUDENT2076 WHERE Semester='SEM5' AND DeptCode IN (SELECT DeptCode FROM DEPARTMENT2076 WHERE DeptName='Computer Science and Engineering');

```
SQL> SELECT * FROM STUDENT2076 WHERE Semester='SEM5' AND DeptCode IN (SELECT DeptCode FROM DEPARTMENT2076 WHERE DeptName='Computer Science and Engineering');

ROLLNO NAME                ADDRESS                PHONENO  YEAROFADM DEPT SEME BIRTHDATE        COLLEGEPHONENO
-----
1001 ANKIT DAS              VIP Road,Kolkata      9830675221  2017 CSE  SEM5 10-FEB-99      25739607
1002 MOINAK GHOSH          MG Road,Kolkata       7988822201  2015 CSE  SEM5 01-MAY-98      25739607
1003 PARIMAL KUMAR         NSB Road,Birati       8099922211  2016 CSE  SEM5 17-MAR-01      25739607
1011 RAHUL KHAN            Jadavpur, Kolkata     2017 CSE  SEM5 07-JUL-01      25739607
```

iv. Show the subject details of 3rd semester Computer science and engineering Department.

SELECT \* FROM SUBJECT2076 WHERE Semester ='SEM3' AND DeptCode IN (SELECT DeptCode FROM DEPARTMENT2076 WHERE DeptName='Computer Science and Engineering');

```
SQL> SELECT * FROM SUBJECT2076 WHERE Semester ='SEM3' AND DeptCode IN (SELECT DeptCode FROM DEPARTMENT2076 WHERE DeptName='Computer Science and Engineering');

SUBJECTC SUBJECTNAME        DEPT SEME  PASSMARKS
-----
CS301  Data Structure             CSE  SEM3    40
CS302  Computer Organization       CSE  SEM3    40
```

v. Display the department name for which some student get more than 90.

SELECT DeptName FROM DEPARTMENT2076  
WHERE DeptCode IN (SELECT DeptCode FROM STUDENT2076  
WHERE RollNo IN (SELECT RollNo FROM RESULT2076 WHERE Marks>90));

```
SQL> SELECT DeptName FROM DEPARTMENT2076
WHERE DeptCode IN (SELECT DeptCode FROM STUDENT2076
WHERE RollNo IN (SELECT RollNo FROM RESULT2076 WHERE Marks>90)); 2 3

DEPTNAME
-----
Computer Science and Engineering
```

vi. Display the student name who reads in 5th semester and get more than 80 in any subject.

SELECT Name FROM STUDENT2076 WHERE Semester='SEM5' AND RollNo IN (SELECT RollNo FROM RESULT2076 WHERE Marks > 80);

```
SQL> SELECT Name FROM STUDENT2076 WHERE Semester='SEM5' AND RollNo IN (SELECT RollNo FROM RESULT2076 WHERE Marks > 80);

NAME
-----
PARIMAL KUMAR
MOINAK GHOSH
```

vii. Display the name of CSE student who born in 2000 and get more than 80 in CS301.

SELECT Name FROM STUDENT2076 WHERE DeptCode='CSE' AND to\_char(BirthDate, 'YY') = '00' AND RollNo IN (SELECT RollNo FROM RESULT2076 WHERE Marks > 80);

```
SQL> SELECT Name FROM STUDENT2076 WHERE DeptCode='CSE' AND to_char(BirthDate, 'YY') = '00' AND RollNo IN (SELECT RollNo FROM RESULT2076 WHERE Marks > 80);

no rows selected
```

viii. Display the department details with less than 80 students which has subject name Data Communication.

SELECT \* FROM DEPARTMENT2076 WHERE Student\_Alloted < 80 AND DEPTCODE IN (SELECT DEPTCODE FROM SUBJECT2076 WHERE SUBJECTNAME='Data Communication');

```
SQL> SELECT * FROM DEPARTMENT2076 WHERE Student_Alloted < 80 AND DEPTCODE IN (SELECT DEPTCODE FROM SUBJECT2076 WHERE SUBJECTNAME='Data Communication');

no rows selected
```

ix. Display subject name, subject code of the department with allotted student less than 100.

SELECT SubjectName,SubjectCode FROM SUBJECT2076 WHERE DEPTCODE IN (SELECT DEPTCODE FROM DEPARTMENT2076 WHERE Student\_Alloted < 100);

```
SQL> SELECT SubjectName,SubjectCode FROM SUBJECT2076 WHERE DEPTCODE IN (SELECT DEPTCODE FROM DEPARTMENT2076 WHERE Student_Alloted < 100);

no rows selected
```

x. Show Roll number, subject code and marks for CSE 3rd year students where subject name starts with D.

SELECT ROLLNO,SUB\_CODE,MARKS FROM RESULT2076 WHERE ROLLNO IN (SELECT ROLLNO FROM STUDENT2076 WHERE (SEMESTER='SEM5' OR SEMESTER='SEM6') AND DEPTCODE='CSE') AND SUB\_CODE IN (SELECT SUBJECTCODE FROM SUBJECT2076 WHERE SUBJECTNAME LIKE 'D%');

```
SQL> SELECT ROLLNO,SUB_CODE,MARKS FROM RESULT2076 WHERE ROLLNO IN (SELECT
ROLLNO FROM STUDENT2076 WHERE (SEMESTER='SEM5' OR SEMESTER='SEM6') AND
DEPTCODE='CSE') AND SUB_CODE IN (SELECT SUBJECTCODE FROM SUBJECT2076 WHERE SUBJECTNAME LIKE 'D%'); 2 3
```

ROLLNO	SUB_CODE	MARKS
1001	CS501	68
1002	CS501	76
1003	CS501	91
1001	CS502	40
1002	CS502	81
1003	CS502	82

6 rows selected.

xi. Display roll number, subject and marks of students who took admission in the year 2017 and read subject CS505.

SELECT ROLLNO,SUB\_CODE,MARKS FROM RESULT2076 WHERE SUB\_CODE='CS50' AND ROLLNO IN (SELECT ROLLNO FROM STUDENT2076 WHERE YEAROFADM=2017);

```
SQL> SELECT ROLLNO,SUB_CODE,MARKS FROM RESULT2076 WHERE SUB_CODE='CS50' AND ROLLNO IN (SELECT ROLLNO FROM STUDENT2076 WHERE YEAROFADM=2017);
```

no rows selected

xii. Find the student details of CSE students whose marks are not available in result.

SELECT \* FROM STUDENT2076 WHERE DEPTCODE='CSE' AND ROLLNO NOT IN (SELECT ROLLNO FROM RESULT2076);

```
SQL> SELECT * FROM STUDENT2076 WHERE DEPTCODE='CSE' AND ROLLNO NOT IN (SELECT ROLLNO FROM RESULT2076);
```

ROLLNO	NAME	ADDRESS	PHONENO	YEAROFADM	DEPT	SEME	BIRTHDATE	COLLEGEPHONENO
2078	ADARSH KUMAR	VIP Road, Kolkata	9835087895	2022	CSE	SEM6	12-APR-02	25739607
1011	RAHUL KHAN	Jadavpur, Kolkata		2017	CSE	SEM5	07-JUL-01	25739607
1060	SHUBHAM	Sealdah, Kolkata	9833221098	2017	CSE	SEM3	09-AUG-03	25739607
1101	AMARITA DEV	CG Block, Saltlake		2019	CSE	SEM1	06-JAN-04	25739607
2076	AYUSH RAJ	VIP Road, Kolkata	9835087544	2022	CSE	SEM6	10-SEP-03	25739607

xiii. Find the subject name, subject code which is not included in result.

SELECT SUBJECTNAME,SUBJECTCODE FROM SUBJECT2076 WHERE SUBJECTCODE NOT IN (SELECT DISTINCT SUB\_CODE FROM RESULT2076);

```
SQL> SELECT SUBJECTNAME,SUBJECTCODE FROM SUBJECT2076 WHERE
SUBJECTCODE NOT IN (SELECT DISTINCT SUB_CODE FROM RESULT2076); 2
```

SUBJECTNAME	SUBJECTC
Operating Systems	CS503