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REGISTER NUMBER : 192125041
COURSE CODE : CSA0520
COURSE NAME : DATABASE MANAGEMENT FOR DATA ANALYTICS

IN & BETWEEN

1.   List the type of the courses "Statistics" and "Programming"
2.   The instructor wants to know the CourseNos whose scores are in the range 50to 80

AGGREGATE

1.   Find the average mark of "C002".
2.   List the maximum, minimum mark for "C021"
3.   List the maximum, minimum, average mark for each subject in 5''' semester
4.   List the name of the courses and average mark of each courses.
5.   Calculate the sum of all the scores.
6.   How many students are registered for each course?
Display thecourse description and the number of students registered in each course.

How many courses did each student register for? Use Assessment table

OUTPUTS:

1)

```
mysql> select course from course;
ERROR 1054 (42S22): Unknown column 'course' in 'field list'
mysql> select * from course;
+----------+-----------+------------+--------+
| courseno | regno     | coursedesc | scores |
+----------+-----------+------------+--------+
| C001     | 191811306 | mathematics |    93 |
| C001     | 191811307 | mathematics |    80 |
| C002     | 191811306 | OOAD       |     75 |
| C002     | 191811307 | OOAD       |     85 |
| C003     | 191811306 | DBMS       |     91 |
| C003     | 191811307 | DBMS       |     93 |
+----------+-----------+------------+--------+
6 rows in set (0.00 sec)
```

2)

```
mysql> select courseno from course where scores between 50 and 80;
+----------+
| courseno |
+----------+
| C001     |
| C002     |
+----------+
2 rows in set (0.00 sec)
```

1)

```
mysql> select avg(scores) from course;
+-------------+
| avg(scores) |
+-------------+
|     86.1667 |
+-------------+
1 row in set (0.00 sec)
```

2)

```
mysql> select max(scores),min(scores) from course;
+-------------+-------------+
| max(scores) | min(scores) |
+-------------+-------------+
|          93 |          75 |
+-------------+-------------+
1 row in set (0.00 sec)
```

3)
```
mysql> select max(scores),min(scores),avg(scores) from course;
+-------------+-------------+-------------+
| max(scores) | min(scores) | avg(scores) |
+-------------+-------------+-------------+
|          93 |          75 |     86.1667 |
+-------------+-------------+-------------+
1 row in set (0.00 sec)
```

4)
```
mysql> select avg(scores) from course where courseno like'C00%';
+-------------+
| avg(scores) |
+-------------+
|     68.2000 |
+-------------+
```

5)
```
mysql> select sum(scores) from course;
+-------------+
| sum(scores) |
+-------------+
|         517 |
+-------------+
1 row in set (0.00 sec)
```

6)
```
mysql> select coursedesc,count(coursetype) from course;
+-------------+-------------------+
| coursedesc  | count(coursetype) |
+-------------+-------------------+
| mathematics |                 5 |
+-------------+-------------------+
1 row in set (0.00 sec)
```

7)
```
mysql> select courseno,coursedesc,count(regno) from course where regno like '191811%';
+----------+-------------+--------------+
| courseno | coursedesc  | count(regno) |
+----------+-------------+--------------+
| C001     | mathematics |            6 |
+----------+-------------+--------------+
1 row in set (0.00 sec)
```