mysql> create table student1(su\_ID int primary key,su\_Name varchar(20),su\_Branch varchar(10),su\_Contact bigint(10),Dob date,Joining date,Email varchar(20) u

nique,Address varchar(20));

Query OK, 0 rows affected, 1 warning (0.04 sec)

mysql> desc student1;

+------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+------------+-------------+------+-----+---------+-------+

| su\_ID | int | NO | PRI | NULL | |

| su\_Name | varchar(20) | YES | | NULL | |

| su\_Branch | varchar(10) | YES | | NULL | |

| su\_Contact | bigint | YES | | NULL | |

| Dob | date | YES | | NULL | |

| Joining | date | YES | | NULL | |

| Email | varchar(20) | YES | UNI | NULL | |

| Address | varchar(20) | YES | | NULL | |

+------------+-------------+------+-----+---------+-------+

8 rows in set (0.01 sec)

mysql> insert into student1 values(101,'Pritam','Java',9865326545,'1995-08-12','2019-03-15','Pritam@12','Ranchi');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student1 values(101,'Pritam','Java',9865326545,'1995-08-12','2019-03-15','Pritam@12','Ranchi');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student1 values(102,'Sunita','DBMS',8809721500,'1996-08-13','2019-03-14','sunita@13','Bokaro');

Query OK, 1 row affected (0.00 sec)

mysql> insert into student1 values(103,'Priya','SQL',987654321,'1997-09-12','2018-07-13','priya@11','Gomia');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student1 values(104,'Lalita','c++',9934530094,'1998-05-10','2017-05-12','lalita@321','Tulbul');

Query OK, 1 row affected (0.01 sec)

mysql> insert into student1 values(105,'Khushboo','Core java',7250775987,'2000-06-25','2015-08-07','khushboo@21','Hazaribag');

Query OK, 1 row affected (0.00 sec)

mysql> insert into student1 values(106,'Suraj','Adv java',6204156240,'1995-03-09','2021-03-15','surajdeo85@','Ramghar');

Query OK, 1 row affected (0.01 sec)

mysql> select \* from student1;

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

| su\_ID | su\_Name | su\_Branch | su\_Contact | Dob | Joining | Email | Address |

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

| 101 | Pritam | Java | 9865326545 | 1995-08-12 | 2019-03-15 | Pritam@12 | Ranchi |

| 102 | Sunita | DBMS | 8809721500 | 1996-08-13 | 2019-03-14 | sunita@13 | Bokaro |

| 103 | Priya | SQL | 987654321 | 1997-09-12 | 2018-07-13 | priya@11 | Gomia |

| 104 | Lalita | c++ | 9934530094 | 1998-05-10 | 2017-05-12 | lalita@321 | Tulbul |

| 105 | Khushboo | Core java | 7250775987 | 2000-06-25 | 2015-08-07 | khushboo@21 | Hazaribag |

| 106 | Suraj | Adv java | 6204156240 | 1995-03-09 | 2021-03-15 | surajdeo85@ | Ramghar |

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

6 rows in set (0.00 sec)

mysql> create table marks1(subject\_code varchar(20) primary key,subject\_1 int ,subject\_2 int,subject\_3 int,semester varchar(50),su\_id int,foreign key(su\_id)references student1(su\_id));

Query OK, 0 rows affected (0.04 sec)

mysql> desc marks1;

+--------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+--------------+-------------+------+-----+---------+-------+

| subject\_code | varchar(20) | NO | PRI | NULL | |

| subject\_1 | int | YES | | NULL | |

| subject\_2 | int | YES | | NULL | |

| subject\_3 | int | YES | | NULL | |

| semester | varchar(50) | YES | | NULL | |

| su\_id | int | YES | MUL | NULL | |

+--------------+-------------+------+-----+---------+-------+

6 rows in set (0.00 sec)

mysql> insert into marks1 value('ANU50',50,55,80,'3th sem',101);

Query OK, 1 row affected (0.01 sec)

mysql> insert into marks1 value('ANU60',60,65,70,'4th sem',102);

Query OK, 1 row affected (0.00 sec)

mysql> insert into marks1 value('ANU70',70,75,80,'2th sem',103);

Query OK, 1 row affected (0.00 sec)

mysql> insert into marks1 value('ANU80',80,85,90,'1th sem',104);

Query OK, 1 row affected (0.00 sec)

mysql> insert into marks1 value('ANU90',90,95,100,'5th sem',105);

Query OK, 1 row affected (0.01 sec)

mysql> insert into marks1 value('ANU100',100,105,150,'6th sem',106);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from marks1;

+--------------+-----------+-----------+-----------+----------+-------+

| subject\_code | subject\_1 | subject\_2 | subject\_3 | semester | su\_id |

+--------------+-----------+-----------+-----------+----------+-------+

| ANU100 | 100 | 105 | 150 | 6th sem | 106 |

| ANU50 | 50 | 55 | 80 | 3th sem | 101 |

| ANU60 | 60 | 65 | 70 | 4th sem | 102 |

| ANU70 | 70 | 75 | 80 | 2th sem | 103 |

| ANU80 | 80 | 85 | 90 | 1th sem | 104 |

| ANU90 | 90 | 95 | 100 | 5th sem | 105 |

+--------------+-----------+-----------+-----------+----------+-------+

6 rows in set (0.00 sec)

mysql> select \* from student1;

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

| su\_ID | su\_Name | su\_Branch | su\_Contact | Dob | Joining | Email | Address |

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

| 101 | Pritam | Java | 9865326545 | 1995-08-12 | 2019-03-15 | Pritam@12 | Ranchi |

| 102 | Sunita | DBMS | 8809721500 | 1996-08-13 | 2019-03-14 | sunita@13 | Bokaro |

| 103 | Priya | SQL | 987654321 | 1997-09-12 | 2018-07-13 | priya@11 | Gomia |

| 104 | Lalita | c++ | 9934530094 | 1998-05-10 | 2017-05-12 | lalita@321 | Tulbul |

| 105 | Khushboo | Core java | 7250775987 | 2000-06-25 | 2015-08-07 | khushboo@21 | Hazaribag |

| 106 | Suraj | Adv java | 6204156240 | 1995-03-09 | 2021-03-15 | surajdeo85@ | Ramghar |

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

6 rows in set (0.00 sec)

Q)display a students information after updating his/her details.

mysql> update student1 set joining='2018-02-05',email='pritam@15' where su\_id=101;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from student1;

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

| su\_ID | su\_Name | su\_Branch | su\_Contact | Dob | Joining | Email | Address |

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

| 101 | Pritam | Java | 9865326545 | 1995-08-12 | 2018-02-05 | pritam@15 | Ranchi |

| 102 | Sunita | DBMS | 8809721500 | 1996-08-13 | 2019-03-14 | sunita@13 | Bokaro |

| 103 | Priya | SQL | 987654321 | 1997-09-12 | 2018-07-13 | priya@11 | Gomia |

| 104 | Lalita | c++ | 9934530094 | 1998-05-10 | 2017-05-12 | lalita@321 | Tulbul |

| 105 | Khushboo | Core java | 7250775987 | 2000-06-25 | 2015-08-07 | khushboo@21 | Hazaribag |

| 106 | Suraj | Adv java | 6204156240 | 1995-03-09 | 2021-03-15 | surajdeo85@ | Ramghar |

+-------+----------+-----------+------------+------------+------------+-------------+-----------+

6 rows in set (0.00 sec)

Q)display the average marks of all the students

mysql> select (subject\_1+subject\_2+subject\_3/3) from marks1;

+-----------------------------------+

| (subject\_1+subject\_2+subject\_3/3) |s

+-----------------------------------+

| 255.0000 |

| 131.6667 |

| 148.3333 |

| 171.6667 |

| 195.0000 |

| 218.3333 |

+-----------------------------------+

6 rows in set (0.08 sec)

Q)display the reg\_no,student name, marks whose sum of marks is greater than 250.

mysql> select \* from marks1 where (Subject\_1+subject\_2+subject\_3)>250;

+--------------+-----------+-----------+-----------+----------+-------+

| subject\_code | subject\_1 | subject\_2 | subject\_3 | semester | su\_id |

+--------------+-----------+-----------+-----------+----------+-------+

| ANU100 | 100 | 105 | 150 | 6th sem | 106 |

| ANU80 | 80 | 85 | 90 | 1th sem | 104 |

| ANU90 | 90 | 95 | 100 | 5th sem | 105 |

+--------------+-----------+-----------+-----------+----------+-------+

3 rows in set (0.00 sec)

Q)display the average marks of students from a particular branch

mysql> select distinct (su\_branch) as perticular\_java from student1;

+-----------------+

| perticular\_java |

+-----------------+

| Java |

| DBMS |

| SQL |

| c++ |

| Core java |

| Adv java |

+-----------------+

6 rows in set (0.00 sec)

Q)display the sum of marks of students where semester = 3

mysql> select \* from marks1 where semester=3;

+--------------+-----------+-----------+-----------+----------+-------+

| subject\_code | subject\_1 | subject\_2 | subject\_3 | semester | su\_id |

+--------------+-----------+-----------+-----------+----------+-------+

| ANU50 | 50 | 55 | 80 | 3th sem | 101 |

+--------------+-----------+-----------+-----------+----------+-------+

1 row in set, 6 warnings (0.00 sec)

Q)display the average marks of students from a particular branch

mysql> select ((subject\_1+subject\_2+subject\_3)/3) as avrage from marks1;

+----------+

| avrage |

+----------+

| 118.3333 |

| 61.6667 |

| 65.0000 |

| 75.0000 |

| 85.0000 |

| 95.0000 |

+----------+

6 rows in set (0.00 sec)

mysql> select su\_id,((subject\_1+subject\_2+subject\_3)/3) as avrage from marks1;

+-------+----------+s

| su\_id | avrage |

+-------+----------+

| 106 | 118.3333 |

| 101 | 61.6667 |

| 102 | 65.0000 |

| 103 | 75.0000 |

| 104 | 85.0000 |

| 105 | 95.0000 |

+-------+----------+

6 rows in set (0.00 sec)