**Creating Table**

Student Table

CREATE TABLE `Student`(

`s\_id` VARCHAR(20),

`s\_name` VARCHAR(20) NOT NULL DEFAULT '',

`s\_birth` VARCHAR(20) NOT NULL DEFAULT '',

`s\_sex` VARCHAR(10) NOT NULL DEFAULT '',

PRIMARY KEY(`s\_id`)

);

Course Table

CREATE TABLE `Course`(

`c\_id` VARCHAR(20),

`c\_name` VARCHAR(20) NOT NULL DEFAULT '',

`t\_id` VARCHAR(20) NOT NULL,

PRIMARY KEY(`c\_id`)

);

Teacher Table

CREATE TABLE `Teacher`(

`t\_id` VARCHAR(20),

`t\_name` VARCHAR(20) NOT NULL DEFAULT '',

PRIMARY KEY(`t\_id`)

);

Score Table

CREATE TABLE `Score`(

`s\_id` VARCHAR(20),

`c\_id` VARCHAR(20),

`s\_score` INT(3),

PRIMARY KEY(`s\_id`,`c\_id`)

);

Insert test data into Student Table

insert into Student values('01' , 'Zhao Lei' , '1990-01-01' , 'Male');

insert into Student values('02' , 'Qian Dian' , '1990-12-21' , 'Male');

insert into Student values('03' , 'Sun Feng' , '1990-05-20' , 'Male');

insert into Student values('04' , 'Li Yun' , '1990-08-06' , 'Male');

insert into Student values('05' , 'Zhou Mei' , '1991-12-01' , 'Female');

insert into Student values('06' , 'Wu Lan' , '1992-03-01' , 'Female');

insert into Student values('07' , 'Zheng Zhu' , '1989-07-01' , 'Female');

insert into Student values('08' , 'Wang Ju' , '1990-01-20' , 'Female');

Insert test data into Course Table

insert into Course values('01' , 'Mandarin' , '02');

insert into Course values('02' , 'Maths' , '01');

insert into Course values('03' , 'English' , '03');

Insert test data into Teacher Table

insert into Teacher values('01' , 'Chang San');

insert into Teacher values('02' , 'Li Si');

insert into Teacher values('03' , 'Wang Wu');

Insert test data into Score Table

insert into Score values('01' , '01' , 80);

insert into Score values('01' , '02' , 90);

insert into Score values('01' , '03' , 99);

insert into Score values('02' , '01' , 70);

insert into Score values('02' , '02' , 60);

insert into Score values('02' , '03' , 80);

insert into Score values('03' , '01' , 80);

insert into Score values('03' , '02' , 80);

insert into Score values('03' , '03' , 80);

insert into Score values('04' , '01' , 50);

insert into Score values('04' , '02' , 30);

insert into Score values('04' , '03' , 20);

insert into Score values('05' , '01' , 76);

insert into Score values('05' , '02' , 87);

insert into Score values('06' , '01' , 31);

insert into Score values('06' , '03' , 34);

insert into Score values('07' , '02' , 89);

insert into Score values('07' , '03' , 98);

**Questions**

1. Select student’s ID that has average score more than 60.
2. Request for student’s ID and name who did not take course under teacher name “Chang San”
3. Display student’s ID and name who at least have one similar course with student ID “01”
4. Create segment for course score [100-85], [85-70], [70-60], [<60] and count number of students under those segments for all courses, column to display also are course ID and course name.
5. Query for Student ID, student’s average score and student’s ranking based on average score.
6. Query for top three ranked student for each subject. (Not taking in consideration for equal marks).
7. Display student name and score who has the highest score in a subject taught by teacher “Chang San”
8. Display student ID, course ID and student score where student has the same score but in different course.
9. Query for the top 2 highest in scoring from each course and display column course ID, course name, student name and student score.
10. Query for all student’s information that has registered for all courses.