create table student\_profile(

Rollno varchar2(4) primary key,

Sname varchar2(20) not null,

Class varchar2(20) not null,

ECCC varchar2(20) not null

);

Table created.

insert into student\_profile(Rollno,Sname,Class,ECCC)values('S101','Sulthan','IBCA','Red Cross');

insert into student\_profile(Rollno,Sname,Class,ECCC)values('S102','Ravija','IBCA','Red Cross');

insert into student\_profile(Rollno,Sname,Class,ECCC)values('S103','Akshay','IBCA','NSS');

insert into student\_profile(Rollno,Sname,Class,ECCC)values('S104','Karthik','IBCA','Sports');

insert into student\_profile(Rollno,Sname,Class,ECCC)values('S105','Razik','IBCA','NSS');

insert into student\_profile(Rollno,Sname,Class,ECCC)values('S106','Vijay','IIBCA','Sprots');

1 row(s) inserted.

select\*from student\_profile;

|  |  |  |  |
| --- | --- | --- | --- |
| **ROLLNO** | **SNAME** | **CLASS** | **ECCC** |
| S101 | Sulthan | IBCA | Red Cross |
| S102 | Ravija | IBCA | Red Cross |
| S103 | Akshay | IBCA | NSS |
| S104 | Karthik | IBCA | Sports |
| S105 | Razik | IBCA | NSS |
| S106 | Vijay | IIBCA | Sprots |

create table Marks\_report(

Rollno varchar2(4),

Internal\_test number(1)check(Internal\_test in(1,2)),

Marks1 number(3),

Marks2 number(3),

Marks3 number(3),

ECCMark number(3),

constraints mark check((Marks1 between -1 and 100)and(Marks2 between -1 and 100)and(marks3 between -1 and 100)),

constraints pk\_mr primary key(Rollno,Internal\_test),

foreign key(Rollno)references student\_profile(Rollno)

);

Table created.

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S101',1,57,65,84,40);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S102',1,45,60,44,36);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S103',1,55,70,64,56);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S104',1,58,74,66,53);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S105',1,54,79,46,33);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S106',1,63,62,32,30);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S107',1,38,65,84,40);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S101',2,73,62,62,38);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S102',2,43,60,47,37);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S103',2,54,67,44,35);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S104',2,50,57,84,25);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S105',2,57,83,52,29);

insert into Marks\_report(Rollno,Internal\_test,Marks1,Marks2,Marks3,ECCMark)values('S107',2,39,25,84,40);

select\*from Marks\_report;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ROLLNO** | **INTERNAL\_TEST** | **MARKS1** | **MARKS2** | **MARKS3** | **ECCMARK** |
| S101 | 1 | 57 | 65 | 84 | 40 |
| S102 | 1 | 45 | 60 | 44 | 36 |
| S103 | 1 | 55 | 70 | 64 | 56 |
| S104 | 1 | 58 | 74 | 66 | 53 |
| S105 | 1 | 54 | 79 | 46 | 33 |
| S106 | 1 | 63 | 62 | 32 | 30 |
| S101 | 2 | 73 | 62 | 62 | 38 |
| S102 | 2 | 43 | 60 | 47 | 37 |
| S103 | 2 | 54 | 67 | 44 | 35 |
| S104 | 2 | 50 | 57 | 84 | 25 |
| More than 10 rows available. Increase rows selector to view more rows. | | | | | |

1. select Class,count(\*)from student\_profile s,Marks\_report m where s.Rollno=m.Rollno and(Marks1<35 or Marks2<35 or Marks3<35)group by Class;

|  |  |
| --- | --- |
| **CLASS** | **COUNT(\*)** |
| IIBCA | 2 |

1. select student\_profile.Rollno,Sname,Class,Internal\_test,ECCC,Marks1,Marks2,Marks3,ECCMark from student\_profile,Marks\_report where student\_profile.Rollno=Marks\_report.Rollno and((Marks1+Marks2+Marks3)/3)>=70 and Class='IBCA';

no data found

1. select Class,max(Marks1+Marks2+Marks3) from student\_profile,Marks\_report where student\_profile.Rollno=Marks\_report.Rollno and Internal\_test=2 group by Class;

|  |  |
| --- | --- |
| **CLASS** | **MAX(MARKS1+MARKS2+MARKS3)** |
| IBCA | 197 |
| IIBCA | 120 |

1. select student\_profile.Rollno,Sname,Class from student\_profile,Marks\_report where

student\_profile.Rollno=Marks\_report.Rollno and(Marks1>35 and Marks2>35 and Marks3>35)and

Internal\_test=1

union

select student\_profile.Rollno,Sname,Class from student\_profile,Marks\_report where

student\_profile.Rollno=Marks\_report.Rollno and(Marks1<35 and Marks2<35 and Marks3<35)and

Internal\_test=2;

|  |  |  |
| --- | --- | --- |
| **ROLLNO** | **SNAME** | **CLASS** |
| S101 | Sulthan | IBCA |
| S102 | Ravija | IBCA |
| S103 | Akshay | IBCA |
| S104 | Karthik | IBCA |
| S105 | Razik | IBCA |

select student\_profile.Rollno,Sname,Class from student\_profile,Marks\_report where

student\_profile.Rollno=Marks\_report.Rollno and(Marks1>35 and Marks2>35 and Marks3>35)and

Internal\_test=1

intersect

select student\_profile.Rollno,Sname,Class from student\_profile,Marks\_report where

student\_profile.Rollno=Marks\_report.Rollno and(Marks1<35 or Marks2<35 or Marks3<35)and

Internal\_test=2;