Write SQL queries for the below questions after loading the sample exercise data.

Queries that uses “students” table:

1. Select all the students

Ans:- Select \* from Students

1. Select all the students whose names starts with “H”

Ans:- Select \* from students where name like ‘T%’;

1. Select all the students whose name has the alphabet “a”

Ans:- Select \* from students where name like ‘%a%’;

1. Select all the students and list the results sorted in alphabetical order(a-z).

Ans:- Select \* from students order by name asc;

1. List the first “2” students with the results sorted in the alphabetical order(a-z).

Ans:- Select \* from Students order by name asc limit 2

1. List the next “2” students(3rd and 4th) when they are sorted in the alphabetical order.

Ans:- Select \* from students order by name asc limit 2,2

Queries that uses “marks” table:

1. Select the students who has not appeared in the annual exams.  
   Format: All columns of the “marks” table.

Ans:- Select \* from marks where annual is not null;

1. Select the students who has not appeared in the annual exams during the year “2005”.  
   Format: student\_id, subject\_id, year

Ans:- Select student\_id,subject\_id,year from marks where annual is not null and year = 2005

1. Select the students who has appeared in one of the exams - quarterly, half\_yearly or annual.  
   Format: student\_id, subject\_id, year
2. Select the students who has scored more than 90 in all the exams - quarterly, half\_yearly and annual.  
   Format: student\_id, subject\_id, year, quarterly, half\_yearly, annual

Ans:- Select student\_id,subject\_id,year,quarterly,half\_yearly,annual where (

Quarterly >90 and half\_yearly >90 and annual >90

);

1. List the average marks(in quarterly, half\_yearly & annual) for each subject scored for the year.  
   Format: student\_id, subject\_id, average, year

Ans:- Select student\_id,subject\_id, AVG(quarterly) as Q,AVG(half\_yearly) as HY ,Avg(annual) as Annual,year from marks group by subject\_id,year;

1. List the average marks(in quarterly, half\_yearly & annual) for each subject scored for the years 2003 & 2004  
   Format: student\_id, subject\_id, average, year

Ans:- Select student\_id,subject\_id, AVG(quarterly) as Q,AVG(half\_yearly) as HY ,Avg(annual) as Annual,year from marks where year between 2003 and 2004 group by subject\_id,year;