

20/10/2015

Student (st-roll, st-name, st-address, sub-id)  
Teacher (t-name, t-address, t-designation)  
Class (cl-room, year, subject-id)  
Marks (st-roll, subject-id, marks)

1. Find the marks obtained by a student for given roll number.

select marks

from Marks

where st-roll = <st-roll>;

2. Find total marks obtained by a student

st-roll,

select, sum(marks)

from Marks

group by st-roll;

3. Find % of marks obtained by a student.

select st-roll, avg(marks)

from Marks

group by st-roll;

4. List/Find the class room no for the subject taken by a particular teacher given his name.

select cl-room

from Class, Subject

where Class.subject-id = Subject.subject-id  
and t-name = <t-name>;

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5. List the name of teacher in sorted order.

select t-name  
from Subject  
order by t-name;

6. List the name of the student in sorted order subject wise.

select ~~subject-id~~ sub-id, st-name  
from Student  
~~where~~  
order by sub-id, st-name;

7. List the name of the student who get maximum marks subject wise.

select ~~st-name~~ sub-id, st-name  
from Student  
where st-roll in  
(select st-roll  
from Marks  
group by ~~subject-id~~  
where marks in

(select max(marks)  
from Marks as A  
where subject-id = A.subject-id  
group by subject-id)  
have

st-id



8. Find the name of the student who secured the maximum total marks

select st-name  
from student  
where (select st-roll  
from Marks  
group by st-roll  
where sum(marks) > any

(select sum(marks)  
from Marks  
group by st-roll)