

ROLL NO. : 33

Q12. Find how many student applied to 'marine biology'.

Ans. SELECT COUNT(major) FROM Apply WHERE major='marine biology';
COUNT(MAJOR)1

Q13. Find how many applications were rejected and accepted by the colleges.

Ans. SELECT COUNT(decision) FROM Apply WHERE decision='N' AND decision='Y';
COUNT(DECISION)0

Q14. Find how many students applied to a particular major. (show count(sid) as No_of_applications).

Ans. SELECT COUNT(sID) As No_of_applications FROM Apply;
NO_OF_APPLICATIONS 19

Q15. Find number of applications received by particular college.

Ans. SELECT COUNT(cName) FROM Apply ;
COUNT(CNAME)19

Q16. Find number of applications received in a particular major at a particular college.

Ans. SELECT COUNT(major) FROM Apply ;
COUNT(MAJOR)19

Q17. Give the college name and major, where number of applications received are greaterthan or equal to 2.

Ans. SELECT COUNT(cName),COUNT(major) FROM Apply WHERE cName>=2;
COUNT(CNAME) COUNT(MAJOR)0 0

Q21. Find how many applications are filed by each student. [Hint: use left join as we needinformation about all 12 students here. If they applied no where than show zero in front of them]

NAME: Kunal Batham

UNIVERSITY ROLL NO. : 201500362

SECTION: A(A2)

ROLL NO. : 33

Ans. SELECT Student.sName,Count(Apply.sID)FROM Student

Left JOIN Apply

ON Student.sID = Apply.sIDGroup

By Student.sName;

SNAME COUNT(APPLY.SID)

Amy 4

Bob 1

Helen 2

Gary 0

Craig 5

Fay 1

Jay 3

Doris 0

Irene 3

Edward 0

Q22. Provide name of students that file 3 or more applications.

Ans. SELECT Student.sName,Count(Apply.sID) FROM Student

Left JOIN Apply

ON Student.sID = Apply.sID

Group By Student.sName Having

Count(Apply.sID) > 3;

NAME: Kunal Batham

UNIVERSITY ROLL NO. : 201500362

SECTION: A(A2)

ROLL NO. : 33

SNAME COUNT(APPLY.SID)

Amy 4

Craig 5

Q23. Provide name of student who have not applied to any college.

Ans. SELECT Student.sName FROM Student

LEFT JOIN Apply

ON Student.sID = Apply.sID

WHERE Apply.sID IS NULL

SNAME

Edward

Amy

Doris

Gary

Q25. Find how many student have same GPA among all students. (provide this frequency in two column table as GPA 3.9 is 4 times, GPA 2.9 is 2 times).

Ans. SELECT GPA, COUNT(GPA) AS Frequency

FROM Student

GROUP BY GPA

ORDER BY GPA;

GPA FREQUENCY

2.9 2

3.4 2

NAME: Kunal Batham

UNIVERSITY ROLL NO. : 201500362

SECTION: A(A2)

ROLL NO. : 33

3.5 1

3.6 1

3.7 1

3.8 1

3.9 4

NAME: Kunal Batham

UNIVERSITY ROLL NO. : 201500362

SECTION: A(A2)

ROLL NO. : 33