

"Pavamount" 2000-2021					
Gevery → division					
Stars/ Theyear (Solutioname="Paramount" (Mouves))					
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3.1

SELECT prof.pname AS Professor_Name, prof.dname AS Department FROM prof, section

WHERE prof.pname = section.pname AND prof.dname <> section.dname

professor_name department			
Smith, S.	Industrial Engineering		
Clark, E.	Civil Engineering		

3.2

SELECT student.sid, sname AS Student_Name

FROM student, enroll

WHERE student.sid = enroll.sid AND grade >= 3.5

GROUP By student.sid, sname

HAVING COUNT(grade) >=2

sid	student_name
49	Villa-lobos, M.
64	Fred, Edwin B.
90	Zappa, F.
67	Altenhaus, Gloria

3.3

SELECT DISTINCT s.sname AS Student_Name, s.age AS Student_age FROM student s

WHERE s.gpa = (SELECT MAX(gpa) FROM student WHERE age = s.age AND age<=18)

^{*}Two students age 18 have a gpa of 3.5

student_name	student_age	
Baker, C.	18	
News, Nightly	15	
Zappa, F.	16	
Morgan, D.	18	

3.4

SELECT dept.dname AS department_name, AVG(gpa) AS average_gpa

FROM student, major, dept

WHERE student.sid = major.sid AND major.dname = dept.dname AND dept.dname LIKE '%Engineering%'

GROUP BY dept.dname

HAVING COUNT(*) >= 2

department_name	average_gpa	
Chemical Engineering	3.2999999566512	
Civil Engineering	2.91428572365216	
Industrial Engineering	2.76999999061227	

3.5

SELECT c.dname AS department_name, c.cno AS course_number, COUNT(*) AS enrollment FROM enroll c

GROUP BY c.dname, c.cno

HAVING COUNT(*) >= (1.03)*(SELECT COUNT(*)/COUNT(DISTINCT c1.cno)

FROM enroll c1

WHERE c1.dname = c.dname)

AND AVG(c.grade) >= (1.03)*(SELECT AVG(c2.grade)

FROM enroll c2

WHERE c2.dname = c.dname)

department_name	course_number	enrollment
Computer Sciences	726	17