































1. Find out the ID and salary of the instructors.

```
SELECT ID, salary FROM instructor;
```

<div><div><div><div></div><div></div></div><div></div></div></div>						ID	salary	
<input type="checkbox"/>		Edit		Copy		Delete	14365	32241.56
<input type="checkbox"/>		Edit		Copy		Delete	15347	72140.88
<input type="checkbox"/>		Edit		Copy		Delete	16807	98333.65
<input type="checkbox"/>		Edit		Copy		Delete	19368	124651.41
<input type="checkbox"/>		Edit		Copy		Delete	22591	59706.49
<input type="checkbox"/>		Edit		Copy		Delete	25946	90891.69
<input type="checkbox"/>		Edit		Copy		Delete	28097	35023.18
<input type="checkbox"/>		Edit		Copy		Delete	28400	84982.92
<input type="checkbox"/>		Edit		Copy		Delete	31955	71351.42
<input type="checkbox"/>		Edit		Copy		Delete	3199	82534.37
<input type="checkbox"/>		Edit		Copy		Delete	3335	80797.83
<input type="checkbox"/>		Edit		Copy		Delete	34175	115469.11
<input type="checkbox"/>		Edit		Copy		Delete	35579	62579.61
<input type="checkbox"/>		Edit		Copy		Delete	36897	43770.36
<input type="checkbox"/>		Edit		Copy		Delete	37687	104563.38
<input type="checkbox"/>		Edit		Copy		Delete	4034	61387.56
<input type="checkbox"/>		Edit		Copy		Delete	41930	50482.03
<input type="checkbox"/>		Edit		Copy		Delete	4233	88791.45
<input type="checkbox"/>		Edit		Copy		Delete	42782	34272.67
<input type="checkbox"/>		Edit		Copy		Delete	43779	79070.08
<input type="checkbox"/>		Edit		Copy		Delete	48507	107978.47
<input type="checkbox"/>		Edit		Copy		Delete	48570	87549.80
<input type="checkbox"/>		Edit		Copy		Delete	50330	108011.81





























































2. Find out the ID and salary of the instructor who gets more than \$85,000.

```
SELECT ID, salary FROM instructor WHERE salary > 85000;
```

← T →				ID	salary
<input type="checkbox"/>	 Edit	 Copy	 Delete	16807	98333.65
<input type="checkbox"/>	 Edit	 Copy	 Delete	19368	124651.41
<input type="checkbox"/>	 Edit	 Copy	 Delete	25946	90891.69
<input type="checkbox"/>	 Edit	 Copy	 Delete	34175	115469.11
<input type="checkbox"/>	 Edit	 Copy	 Delete	37687	104563.38
<input type="checkbox"/>	 Edit	 Copy	 Delete	4233	88791.45
<input type="checkbox"/>	 Edit	 Copy	 Delete	48507	107978.47
<input type="checkbox"/>	 Edit	 Copy	 Delete	48570	87549.80
<input type="checkbox"/>	 Edit	 Copy	 Delete	50330	108011.81
<input type="checkbox"/>	 Edit	 Copy	 Delete	52647	87958.01
<input type="checkbox"/>	 Edit	 Copy	 Delete	63287	103146.87
<input type="checkbox"/>	 Edit	 Copy	 Delete	63395	94333.99
<input type="checkbox"/>	 Edit	 Copy	 Delete	6569	105311.38
<input type="checkbox"/>	 Edit	 Copy	 Delete	73623	90038.09
<input type="checkbox"/>	 Edit	 Copy	 Delete	74420	121141.99
<input type="checkbox"/>	 Edit	 Copy	 Delete	74426	106554.73
<input type="checkbox"/>	 Edit	 Copy	 Delete	77346	99382.59
<input type="checkbox"/>	 Edit	 Copy	 Delete	79653	89805.83
<input type="checkbox"/>	 Edit	 Copy	 Delete	90376	117836.50
<input type="checkbox"/>	 Edit	 Copy	 Delete	95709	118143.98
<input type="checkbox"/>	 Edit	 Copy	 Delete	96895	119921.41
<input type="checkbox"/>	 Edit	 Copy	 Delete	99052	93348.83

3. Find out the department names and their budget at the university.

```
SELECT dept_name ,budget FROM department;
```

				dept_name	budget
<input type="checkbox"/>				Accounting	441840.92
<input type="checkbox"/>				Astronomy	617253.94
<input type="checkbox"/>				Athletics	734550.70
<input type="checkbox"/>				Biology	647610.55
<input type="checkbox"/>				Civil Eng.	255041.46
<input type="checkbox"/>				Comp. Sci.	106378.69
<input type="checkbox"/>				Cybernetics	794541.46
<input type="checkbox"/>				Elec. Eng.	276527.61
<input type="checkbox"/>				English	611042.66
<input type="checkbox"/>				Finance	866831.75
<input type="checkbox"/>				Geology	406557.93
<input type="checkbox"/>				History	699140.86
<input type="checkbox"/>				Languages	601283.60
<input type="checkbox"/>				Marketing	210627.58
<input type="checkbox"/>				Math	777605.11
<input type="checkbox"/>				Mech. Eng.	520350.65
<input type="checkbox"/>				Physics	942162.76
<input type="checkbox"/>				Pol. Sci.	573745.09
<input type="checkbox"/>				Psychology	848175.04
<input type="checkbox"/>				Statistics	395051.74

4. List out the names of the instructors from Computer Science who have more than \$70,000.

```
SELECT name FROM instructor WHERE dept_name = 'Computer
Science' AND salary > 70000;
```

5. For all instructors in the university who have taught some course, find their names and the course ID of all courses they taught.

```
SELECT i.name, t.course_id FROM instructor i JOIN teaches t ON i.ID = t.ID;
```

name	course_id
Lembr	200
Lembr	843
Bawa	457
Wieland	545
Wieland	581
Wieland	591
DAgostino	338
DAgostino	338
DAgostino	352
DAgostino	400
DAgostino	400
DAgostino	482
DAgostino	599
DAgostino	642
DAgostino	663
DAgostino	867
DAgostino	962
DAgostino	972
DAgostino	991
Liley	192
Kean	366
Kean	808
Atanassov	603
Atanassov	604
Gustafsson	169

6. Find the names of all instructors whose salary is greater than at least one instructor in the Biology department.

```
SELECT DISTINCT i1.name FROM instructor i1 WHERE i1.salary > (SELECT MIN(i2.salary) FROM instructor i2 WHERE i2.dept_name = 'Biology');
```

← T →				name
<input type="checkbox"/>	Edit	Copy	Delete	Yazdi
<input type="checkbox"/>	Edit	Copy	Delete	Wieland
<input type="checkbox"/>	Edit	Copy	Delete	D'Agostino
<input type="checkbox"/>	Edit	Copy	Delete	Liley
<input type="checkbox"/>	Edit	Copy	Delete	Atanassov
<input type="checkbox"/>	Edit	Copy	Delete	Moreira
<input type="checkbox"/>	Edit	Copy	Delete	Gustafsson
<input type="checkbox"/>	Edit	Copy	Delete	Bourrier
<input type="checkbox"/>	Edit	Copy	Delete	Bondi
<input type="checkbox"/>	Edit	Copy	Delete	Soisalon-Soininen
<input type="checkbox"/>	Edit	Copy	Delete	Arias
<input type="checkbox"/>	Edit	Copy	Delete	Murata
<input type="checkbox"/>	Edit	Copy	Delete	Tung
<input type="checkbox"/>	Edit	Copy	Delete	Luo
<input type="checkbox"/>	Edit	Copy	Delete	Romero
<input type="checkbox"/>	Edit	Copy	Delete	Lent
<input type="checkbox"/>	Edit	Copy	Delete	Sarkar
<input type="checkbox"/>	Edit	Copy	Delete	Shuming
<input type="checkbox"/>	Edit	Copy	Delete	Bancilhon
<input type="checkbox"/>	Edit	Copy	Delete	Dusserre
<input type="checkbox"/>	Edit	Copy	Delete	Desyl
<input type="checkbox"/>	Edit	Copy	Delete	Jaekel

7. Find the advisor of the student with ID 12345

```
SELECT i.name FROM advisor a JOIN instructor i ON a.i_ID = i.ID WHERE a.s_ID = '12345';
```

8. Find the average salary of all instructors.

```
SELECT AVG(salary) AS avg_salary FROM instructor;
```

avg_salary
77600.188200

9. Find the names of all departments whose building name includes the substring 'Watson'.

```
SELECT dept_name FROM department WHERE building LIKE '%Watson%';
```

10. Find the names of instructors with salary amounts between \$90,000 and \$100,000.

```
SELECT name FROM instructor WHERE salary BETWEEN 90000 AND 100000;
```

	name
<input type="checkbox"/> Edit Copy Delete	Yazdi
<input type="checkbox"/> Edit Copy Delete	Liley
<input type="checkbox"/> Edit Copy Delete	McKinnon
<input type="checkbox"/> Edit Copy Delete	Sullivan
<input type="checkbox"/> Edit Copy Delete	Mahmoud
<input type="checkbox"/> Edit Copy Delete	Dale

11. Find the instructor names and the courses they taught for all instructors in the Biology department who have taught some course.

```
SELECT i.name, t.course_id FROM instructor i JOIN teaches t ON i.ID = t.ID  
WHERE i.dept_name = 'Biology';
```

name	course_id
Queiroz	559
Valtchev	415
Valtchev	702








































12. Find the courses taught in Fall-2009 semester.

```
SELECT DISTINCT course_id FROM section WHERE semester = 'Fall' AND year = 2009;
```

	course_id
<input type="checkbox"/> Edit Copy Delete	105
<input type="checkbox"/> Edit Copy Delete	237
<input type="checkbox"/> Edit Copy Delete	242
<input type="checkbox"/> Edit Copy Delete	960
<input type="checkbox"/> Edit Copy Delete	304
<input type="checkbox"/> Edit Copy Delete	334
<input type="checkbox"/> Edit Copy Delete	486

13. Find the set of all courses taught either in Fall-2009 or in Spring-2010.

```
SELECT DISTINCT course_id FROM section WHERE (semester = 'Fall' AND year = 2009) OR (semester = 'Spring' AND year = 2010);
```






















	course_id
<input type="checkbox"/>  Edit  Copy  Delete	105
<input type="checkbox"/>  Edit  Copy  Delete	237
<input type="checkbox"/>  Edit  Copy  Delete	242
<input type="checkbox"/>  Edit  Copy  Delete	493
<input type="checkbox"/>  Edit  Copy  Delete	960
<input type="checkbox"/>  Edit  Copy  Delete	304
<input type="checkbox"/>  Edit  Copy  Delete	270
<input type="checkbox"/>  Edit  Copy  Delete	679
<input type="checkbox"/>  Edit  Copy  Delete	692
<input type="checkbox"/>  Edit  Copy  Delete	735
<input type="checkbox"/>  Edit  Copy  Delete	334
<input type="checkbox"/>  Edit  Copy  Delete	486
<input type="checkbox"/>  Edit  Copy  Delete	443

14. Find the set of all courses taught in the Fall-2009 as well as in Spring-2010.

```
SELECT DISTINCT s1.course_id FROM section s1 JOIN section s2 ON s1.course_id = s2.course_id WHERE s1.semester = 'Fall' AND s1.year = 2009 AND s2.semester = 'Spring' AND s2.year = 2010;
```

15. Find all courses taught in the Fall-2009 semester but not in the Spring-2010 semester.

```
SELECT DISTINCT course_id FROM section WHERE semester = 'Fall' AND year = 2009 AND course_id NOT IN (SELECT course_id FROM section WHERE semester = 'Spring' AND year = 2010);
```

←T→						course_id	
<input type="checkbox"/>		Edit		Copy		Delete	105
<input type="checkbox"/>		Edit		Copy		Delete	237
<input type="checkbox"/>		Edit		Copy		Delete	242
<input type="checkbox"/>		Edit		Copy		Delete	960
<input type="checkbox"/>		Edit		Copy		Delete	304
<input type="checkbox"/>		Edit		Copy		Delete	334
<input type="checkbox"/>		Edit		Copy		Delete	486

16. Find all instructors who appear in the instructor relation with null values for salary.

```
SELECT name FROM instructor WHERE salary IS NULL;
```

17. Find the average salary of instructors in the Finance department.

```
SELECT AVG(salary) FROM instructor WHERE dept_name = 'Finance';
```

AVG(salary)
105311.380000

18. Find the total number of instructors who teach a course in the Spring-2010 semester.

```
SELECT COUNT(DISTINCT ID) FROM teaches WHERE semester = 'Spring' AND year = 2010;
```

COUNT(DISTINCT ID)
5

19. Find the average salary in each department.

```
SELECT dept_name, AVG(salary) AS avg_salary FROM instructor GROUP BY dept_name;
```


		dept_name	avg_salary
<input type="checkbox"/>	Edit Copy Delete	Accounting	48716.592500
<input type="checkbox"/>	Edit Copy Delete	Astronomy	79070.080000
<input type="checkbox"/>	Edit Copy Delete	Athletics	77098.198000
<input type="checkbox"/>	Edit Copy Delete	Biology	61287.250000
<input type="checkbox"/>	Edit Copy Delete	Comp. Sci.	98133.470000
<input type="checkbox"/>	Edit Copy Delete	Cybernetics	96346.567500
<input type="checkbox"/>	Edit Copy Delete	Elec. Eng.	74162.740000
<input type="checkbox"/>	Edit Copy Delete	English	72089.050000
<input type="checkbox"/>	Edit Copy Delete	Finance	105311.380000
<input type="checkbox"/>	Edit Copy Delete	Geology	99382.590000
<input type="checkbox"/>	Edit Copy Delete	Languages	57421.856667
<input type="checkbox"/>	Edit Copy Delete	Marketing	84097.437500
<input type="checkbox"/>	Edit Copy Delete	Mech. Eng.	79813.020000
<input type="checkbox"/>	Edit Copy Delete	Physics	114576.900000
<input type="checkbox"/>	Edit Copy Delete	Pol. Sci.	100053.073333
<input type="checkbox"/>	Edit Copy Delete	Psychology	61143.050000
<input type="checkbox"/>	Edit Copy Delete	Statistics	67795.441667























































20. Find the number of instructors in each department who teach a course in the Spring-2010 semester.

```
SELECT i.dept_name, COUNT(DISTINCT t.ID) AS num_instructors FROM instructor i
JOIN teaches t ON i.ID = t.ID WHERE t.semester = 'Spring' AND t.year = 2010
GROUP BY i.dept_name;
```

dept_name	num_instructors
Athletics	1
English	2
Geology	1
Physics	1

21. List out the departments where the average salary of the instructors is more than \$42,000.

```
SELECT dept_name FROM instructor GROUP BY dept_name HAVING AVG(salary) > 42000;
```

  					dept_name
<input type="checkbox"/>		Edit		Copy	 Delete Accounting
<input type="checkbox"/>		Edit		Copy	 Delete Astronomy
<input type="checkbox"/>		Edit		Copy	 Delete Athletics
<input type="checkbox"/>		Edit		Copy	 Delete Biology
<input type="checkbox"/>		Edit		Copy	 Delete Comp. Sci.
<input type="checkbox"/>		Edit		Copy	 Delete Cybernetics
<input type="checkbox"/>		Edit		Copy	 Delete Elec. Eng.
<input type="checkbox"/>		Edit		Copy	 Delete English
<input type="checkbox"/>		Edit		Copy	 Delete Finance
<input type="checkbox"/>		Edit		Copy	 Delete Geology
<input type="checkbox"/>		Edit		Copy	 Delete Languages
<input type="checkbox"/>		Edit		Copy	 Delete Marketing
<input type="checkbox"/>		Edit		Copy	 Delete Mech. Eng.
<input type="checkbox"/>		Edit		Copy	 Delete Physics
<input type="checkbox"/>		Edit		Copy	 Delete Pol. Sci.
<input type="checkbox"/>		Edit		Copy	 Delete Psychology
<input type="checkbox"/>		Edit		Copy	 Delete Statistics

22. For each course section offered in 2009, find the average total credits (tot cred) of all students enrolled in the section, if the section had at least 2 students.

```
SELECT t.course_id, t.sec_id, t.semester, t.year, AVG(s.tot_cred) AS avg_tot_cred
FROM takes t JOIN student s ON t.ID = s.ID WHERE t.year = 2009 GROUP BY
t.course_id, t.sec_id, t.semester, t.year HAVING COUNT(t.ID) >= 2;
```























course_id	sec_id	semester	year	avg_tot_cred
105	1	Fall	2009	68.3578
237	2	Fall	2009	65.6656
242	1	Fall	2009	64.4576
304	1	Fall	2009	64.9023
334	1	Fall	2009	62.8806
486	1	Fall	2009	64.8980
604	1	Spring	2009	65.7233
960	1	Fall	2009	66.0847
972	1	Spring	2009	65.2607

23. Find all the courses taught in both the Fall-2009 and Spring-2010 semesters.

```
SELECT DISTINCT s1.course_id FROM section s1 JOIN section s2 ON s1.course_id = s2.course_id WHERE s1.semester = 'Fall' AND s1.year = 2009 AND s2.semester = 'Spring' AND s2.year = 2010;
```







24. Find all the courses taught in the Fall-2009 semester but not in the Spring-2010 semester.

```
SELECT DISTINCT course_id FROM section WHERE semester = 'Fall' AND year = 2009 AND course_id NOT IN (SELECT course_id FROM section WHERE semester = 'Spring' AND year = 2010)
```

				course_id
<input type="checkbox"/>	 Edit	 Copy	 Delete	105
<input type="checkbox"/>	 Edit	 Copy	 Delete	237
<input type="checkbox"/>	 Edit	 Copy	 Delete	242
<input type="checkbox"/>	 Edit	 Copy	 Delete	960
<input type="checkbox"/>	 Edit	 Copy	 Delete	304
<input type="checkbox"/>	 Edit	 Copy	 Delete	334
<input type="checkbox"/>	 Edit	 Copy	 Delete	486

25. Select the names of instructors whose names are neither 'Mozart' nor 'Einstein'.

```
SELECT name FROM instructor WHERE name NOT IN ('Mozart', 'Einstein');
```

	name
<input type="checkbox"/>  Edit  Copy  Delete	Bawa
<input type="checkbox"/>  Edit  Copy  Delete	Yazdi
<input type="checkbox"/>  Edit  Copy  Delete	Wieland
<input type="checkbox"/>  Edit  Copy  Delete	D'Agostino
<input type="checkbox"/>  Edit  Copy  Delete	Liley
<input type="checkbox"/>  Edit  Copy  Delete	Kean
<input type="checkbox"/>  Edit  Copy  Delete	Atanassov
<input type="checkbox"/>  Edit  Copy  Delete	Moreira
<input type="checkbox"/>  Edit  Copy  Delete	Gustafsson
<input type="checkbox"/>  Edit  Copy  Delete	Bourrier
<input type="checkbox"/>  Edit  Copy  Delete	Bondi
<input type="checkbox"/>  Edit  Copy  Delete	Soisalon-Soininen
<input type="checkbox"/>  Edit  Copy  Delete	Morris
<input type="checkbox"/>  Edit  Copy  Delete	Arias
<input type="checkbox"/>  Edit  Copy  Delete	Murata
<input type="checkbox"/>  Edit  Copy  Delete	Tung
<input type="checkbox"/>  Edit  Copy  Delete	Luo
<input type="checkbox"/>  Edit  Copy  Delete	Vicentino
<input type="checkbox"/>  Edit  Copy  Delete	Romero
<input type="checkbox"/>  Edit  Copy  Delete	Lent
<input type="checkbox"/>  Edit  Copy  Delete	Sarkar
<input type="checkbox"/>  Edit  Copy  Delete	Shuming

26. Find the total number of (distinct) students who have taken course sections taught by the instructor with ID 110011.

```
SELECT COUNT(DISTINCT t.ID) FROM takes t JOIN teaches te ON t.course_id = te.course_id AND t.sec_id = te.sec_id AND t.semester = te.semester AND t.year = te.year WHERE te.ID = '110011';
```

COUNT(DISTINCT t.ID)


























































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27. Find the ID and names of all instructors whose salary is greater than at least one instructor in the History department.

```
SELECT DISTINCT i1.ID, i1.name FROM instructor i1 WHERE i1.salary > (SELECT MAX(i2.salary) FROM instructor i2 WHERE i2.dept_name = 'History');
```

28. Find the names of all instructors that have a salary value greater than that of each instructor in the Biology department.

```
SELECT name FROM instructor WHERE salary > ALL (SELECT salary FROM instructor WHERE dept_name = 'Biology');
```

				name
<input type="checkbox"/>				Yazdi
<input type="checkbox"/>				Wieland
<input type="checkbox"/>				Liley
<input type="checkbox"/>				Atanassov
<input type="checkbox"/>				Gustafsson
<input type="checkbox"/>				Bourrier
<input type="checkbox"/>				Bondi
<input type="checkbox"/>				Arias
<input type="checkbox"/>				Luo
<input type="checkbox"/>				Romero
<input type="checkbox"/>				Lent
<input type="checkbox"/>				Sarkar
<input type="checkbox"/>				Shuming
<input type="checkbox"/>				Bancilhon
<input type="checkbox"/>				Jaekel
<input type="checkbox"/>				McKinnon
<input type="checkbox"/>				Mingoz
<input type="checkbox"/>				Pimenta
<input type="checkbox"/>				Sullivan

29. Find the departments that have the highest average salary.

```
SELECT dept_name FROM instructor GROUP BY dept_name HAVING AVG(salary) = (SELECT MAX(avg_salary) FROM (SELECT AVG(salary) AS avg_salary FROM instructor GROUP BY dept_name) AS temp);
```

	dept_name
<input type="checkbox"/> Edit Copy Delete	Physics

30. Find all courses taught in both the Fall 2009 semester and in the Spring-2010 semester.

```
SELECT DISTINCT s1.course_id FROM section s1 JOIN section s2 ON s1.course_id = s2.course_id WHERE s1.semester = 'Fall' AND s1.year = 2009 AND s2.semester = 'Spring' AND s2.year = 2010;
```

31. Find all students who have taken all the courses offered in the Biology department.

```
SELECT ID FROM student WHERE NOT EXISTS ( SELECT course_id FROM course WHERE dept_name = 'Biology' EXCEPT SELECT course_id FROM takes WHERE student.ID = takes.ID );
```

32. Find all courses that were offered at most once in 2009.

```
SELECT course_id FROM section WHERE year = 2009 GROUP BY course_id HAVING COUNT(*) <= 1;
```

	course_id
<input type="checkbox"/> Edit Copy Delete	105
<input type="checkbox"/> Edit Copy Delete	237
<input type="checkbox"/> Edit Copy Delete	242
<input type="checkbox"/> Edit Copy Delete	304
<input type="checkbox"/> Edit Copy Delete	334
<input type="checkbox"/> Edit Copy Delete	486
<input type="checkbox"/> Edit Copy Delete	604
<input type="checkbox"/> Edit Copy Delete	960
<input type="checkbox"/> Edit Copy Delete	972

33. Find all courses that were offered at least twice in 2009.

```
SELECT course_id FROM section WHERE year = 2009 GROUP BY course_id HAVING COUNT(*) >= 2;
```

34. Find the average instructors' salaries of those departments where the average salary is greater than \$42,000.

```
SELECT dept_name, AVG(salary) FROM instructor GROUP BY dept_name HAVING AVG(salary) > 42000;
```

					dept_name	AVG(salary)		
<input type="checkbox"/>		Edit		Copy		Delete	Accounting	48716.592500
<input type="checkbox"/>		Edit		Copy		Delete	Astronomy	79070.080000
<input type="checkbox"/>		Edit		Copy		Delete	Athletics	77098.198000
<input type="checkbox"/>		Edit		Copy		Delete	Biology	61287.250000
<input type="checkbox"/>		Edit		Copy		Delete	Comp. Sci.	98133.470000
<input type="checkbox"/>		Edit		Copy		Delete	Cybernetics	96346.567500
<input type="checkbox"/>		Edit		Copy		Delete	Elec. Eng.	74162.740000
<input type="checkbox"/>		Edit		Copy		Delete	English	72089.050000
<input type="checkbox"/>		Edit		Copy		Delete	Finance	105311.380000
<input type="checkbox"/>		Edit		Copy		Delete	Geology	99382.590000
<input type="checkbox"/>		Edit		Copy		Delete	Languages	57421.856667
<input type="checkbox"/>		Edit		Copy		Delete	Marketing	84097.437500
<input type="checkbox"/>		Edit		Copy		Delete	Mech. Eng.	79813.020000
<input type="checkbox"/>		Edit		Copy		Delete	Physics	114576.900000
<input type="checkbox"/>		Edit		Copy		Delete	Pol. Sci.	100053.073333
<input type="checkbox"/>		Edit		Copy		Delete	Psychology	61143.050000
<input type="checkbox"/>		Edit		Copy		Delete	Statistics	67795.441667

35. Find the maximum across all departments of the total salary at each department.

```
SELECT MAX(total_salary) FROM (SELECT dept_name, SUM(salary) AS total_salary
FROM instructor GROUP BY dept_name) AS dept_salaries;
```

MAX(total_salary)

406772.65

36. List all departments along with the number of instructors in each department.

```
SELECT dept_name, COUNT(ID) FROM instructor GROUP BY dept_name;
```

dept_name	COUNT(ID)
Accounting	4
Astronomy	1
Athletics	5
Biology	2
Comp. Sci.	2
Cybernetics	4
Elec. Eng.	4
English	4
Finance	1
Geology	1
Languages	3
Marketing	4
Mech. Eng.	2
Physics	2
Pol. Sci.	3
Psychology	2
Statistics	6