

**Query 1: Find the names of all instructors.**

select name

from instructor;

**name**

Lembr

Bawa

Yazdi

Wieland

DAgostino

Liley

Kean

Atanassov

Moreira

Gustafsson

Bourrier

Bondi

Soisalon-Soininen

Morris

Arias

Murata

Tung

Luo

Vicentino

Romero

Lent

Sarkar

Shuming

Konstantinides

Bancilhon

**Query 2: Find the department names of all instructors.**

select dept\_name

from instructor;

**dept\_name**

Accounting

Accounting

Accounting

Accounting

Astronomy

Athletics

Athletics

Athletics

Athletics

Athletics

Biology

Biology

Comp. Sci.

Comp. Sci.

Cybernetics

Cybernetics

Cybernetics

Cybernetics

Elec. Eng.

Elec. Eng.

Elec. Eng.

Elec. Eng.

English

English

English

**Query 3: Force the elimination of duplicates.**

select distinct dept\_name

from instructor;

**dept\_name**

Accounting

Astronomy

Athletics

Biology

Comp. Sci.

Cybernetics

Elec. Eng.

English

Finance

Geology

Languages

Marketing

Mech. Eng.

Physics

Pol. Sci.

Psychology

Statistics

**Query 4: “Find the names of all instructors in the Computer Science department who have salary greater than $70,000.**

select name

from instructor

where dept\_name = 'Comp. Sci.' and salary > 70000;

**name**

Bourrier

Bondi

**Query 5: Retrieve the names of all instructors, along with their department names and department building name.**

select name, instructor.dept\_name, building

from instructor, department

where instructor.dept\_name = department.dept\_name;

| [**name**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+instructor.dept_name%2C+building%0D%0Afrom+instructor%2C+department%0D%0Awhere+instructor.dept_name+%3D+department.dept_name++%0AORDER+BY+%60instructor%60.%60name%60+ASC&sql_signature=271ef4698c5e3cfafd4a1ef9a0cae96978d6bfeabd4396f6b43e7ca284a3ce72&session_max_rows=25&is_browse_distinct=0) | [**dept\_name**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+instructor.dept_name%2C+building%0D%0Afrom+instructor%2C+department%0D%0Awhere+instructor.dept_name+%3D+department.dept_name++%0AORDER+BY+%60instructor%60.%60dept_name%60+ASC&sql_signature=b893afa3115a5dc34c04fbf4f6b2df4af8f588c4509c2064481a4eca2c0de000&session_max_rows=25&is_browse_distinct=0) | [**building**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+instructor.dept_name%2C+building%0D%0Afrom+instructor%2C+department%0D%0Awhere+instructor.dept_name+%3D+department.dept_name++%0AORDER+BY+%60department%60.%60building%60+ASC&sql_signature=8690c6284b7992d296d14fe9ef683d6291c4a69845eedaf0d199bf5a9deb2255&session_max_rows=25&is_browse_distinct=0) |  |
| --- | --- | --- | --- |
| Lembr | [Accounting](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=fd2b9c9345eae1fb3fcf35c23ed22540f4db9f25a2832976d6bc507b10dce164&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Accounting%27) | Saucon |  |
| Moreira | [Accounting](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=fd2b9c9345eae1fb3fcf35c23ed22540f4db9f25a2832976d6bc507b10dce164&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Accounting%27) | Saucon |  |
| Hau | [Accounting](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=fd2b9c9345eae1fb3fcf35c23ed22540f4db9f25a2832976d6bc507b10dce164&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Accounting%27) | Saucon |  |
| Ullman | [Accounting](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=fd2b9c9345eae1fb3fcf35c23ed22540f4db9f25a2832976d6bc507b10dce164&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Accounting%27) | Saucon |  |
| Romero | [Astronomy](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=fe3c1dd77fd06d983f45913ceff896446404a827a37946632a348385808997a3&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Astronomy%27) | Taylor |  |
| Bawa | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=7795177a95b8365039a7f3d1e4522e2d603865958ccb57193a535fdf4cc3a77e&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | Bronfman |  |
| Yazdi | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=7795177a95b8365039a7f3d1e4522e2d603865958ccb57193a535fdf4cc3a77e&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | Bronfman |  |
| Murata | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=7795177a95b8365039a7f3d1e4522e2d603865958ccb57193a535fdf4cc3a77e&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | Bronfman |  |
| Tung | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=7795177a95b8365039a7f3d1e4522e2d603865958ccb57193a535fdf4cc3a77e&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | Bronfman |  |
| Jaekel | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=7795177a95b8365039a7f3d1e4522e2d603865958ccb57193a535fdf4cc3a77e&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | Bronfman |  |
| Queiroz | [Biology](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=8609254d5fdb2652c1739bd1f15f1c2d7da5d74af5d4f7bb347c6639bf834286&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Biology%27) | Candlestick |  |
| Valtchev | [Biology](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=8609254d5fdb2652c1739bd1f15f1c2d7da5d74af5d4f7bb347c6639bf834286&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Biology%27) | Candlestick |  |
| Bourrier | [Comp. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=573778ef067d2bcf2dea5ec33abf5c698f4fc5a947845f0bdbd292790e0cbcdf&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Comp.+Sci.%27) | Lamberton |  |
| Bondi | [Comp. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=573778ef067d2bcf2dea5ec33abf5c698f4fc5a947845f0bdbd292790e0cbcdf&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Comp.+Sci.%27) | Lamberton |  |
| McKinnon | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=bb794bcf49aec9219fd74c254458ed68a7c0ae7433f47fcbb82ed44c4f31d5e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | Mercer |  |
| Pimenta | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=bb794bcf49aec9219fd74c254458ed68a7c0ae7433f47fcbb82ed44c4f31d5e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | Mercer |  |
| Bietzk | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=bb794bcf49aec9219fd74c254458ed68a7c0ae7433f47fcbb82ed44c4f31d5e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | Mercer |  |
| Dale | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=bb794bcf49aec9219fd74c254458ed68a7c0ae7433f47fcbb82ed44c4f31d5e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | Mercer |  |
| Gustafsson | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=87b47560b9a49883b7006fa3332916851449c75ac0dbeba87f09934dfbef409f&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | Main |  |
| Vicentino | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=87b47560b9a49883b7006fa3332916851449c75ac0dbeba87f09934dfbef409f&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | Main |  |
| Sullivan | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=87b47560b9a49883b7006fa3332916851449c75ac0dbeba87f09934dfbef409f&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | Main |  |
| Levine | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=87b47560b9a49883b7006fa3332916851449c75ac0dbeba87f09934dfbef409f&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | Main |  |
| Kean | [English](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=4fdf188908e947a99ad412b2d8c87917820b585a9ae881dbd0fb3c41ebe5391b&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27English%27) | Palmer |  |
| Luo | [English](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=4fdf188908e947a99ad412b2d8c87917820b585a9ae881dbd0fb3c41ebe5391b&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27English%27) | Palmer |  |
| Yin | [English](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=4fdf188908e947a99ad412b2d8c87917820b585a9ae881dbd0fb3c41ebe5391b&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27English%27) | Palmer |  |

**Query 6: For all instructors in the university who have taught some course, find their names and the course ID of all courses they taught.**

select name, course\_id

from instructor, teaches

where instructor.ID= teaches.ID;

| [**name**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+course_id%0D%0Afrom+instructor%2C+teaches%0D%0Awhere+instructor.ID%3D+teaches.ID++%0AORDER+BY+%60instructor%60.%60name%60+ASC&sql_signature=4aa59f10a59bcd49458abfcd919ae5992fd9764fbd6cfaeb6e814419624e6905&session_max_rows=25&is_browse_distinct=0) | [**course\_id**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+course_id%0D%0Afrom+instructor%2C+teaches%0D%0Awhere+instructor.ID%3D+teaches.ID++%0AORDER+BY+%60teaches%60.%60course_id%60+ASC&sql_signature=54a0961a44940280bb63d9c4f06bd01b624ebb2a6c5eecfddb0faac02a5b4841&session_max_rows=25&is_browse_distinct=0) |  |
| --- | --- | --- |
| 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 |  |

**Query 7: only instructor names and course identifiers for instructors in the Computer Science department**

select name, course\_id

from instructor, teaches

where instructor.ID= teaches.ID and instructor.dept\_name = 'Comp. Sci.';

| [**name**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+course_id%0D%0Afrom+instructor%2C+teaches%0D%0Awhere+instructor.ID%3D+teaches.ID+and+instructor.dept_name+%3D+%27Comp.+Sci.%27++%0AORDER+BY+%60instructor%60.%60name%60+ASC&sql_signature=3d06c9fcfa9f28395ddfea2302eaebe093f12bfd38eebc0377e55e5aa348fd97&session_max_rows=25&is_browse_distinct=0) | [**course\_id**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+name%2C+course_id%0D%0Afrom+instructor%2C+teaches%0D%0Awhere+instructor.ID%3D+teaches.ID+and+instructor.dept_name+%3D+%27Comp.+Sci.%27++%0AORDER+BY+%60teaches%60.%60course_id%60+ASC&sql_signature=c92bccaeb2b20c4ae11d0c5211590024a17f760fb6bf797a3a4a9d604fd2a63d&session_max_rows=25&is_browse_distinct=0) |  |
| --- | --- | --- |
| Bourrier | 949 |  |
| Bourrier | 960 |  |
| Bondi | 274 |  |
| Bondi | 571 |  |
| Bondi | 747 |  |

Query 8: **Ordering the Display of Tuples**

select \*

from instructor

order by salary desc, name asc;

| **[Full texts](http://localhost/phpmyadmin/index.php)** | | | | [**ID**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+%2A%0D%0Afrom+instructor++%0AORDER+BY+%60instructor%60.%60ID%60+ASC&sql_signature=5a676dfe3acf11804716ad70680b7cefde8c533e1faa6f0cf5fbf85c6008df96&session_max_rows=25&is_browse_distinct=0) | [**name [Ascending](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+%2A%0D%0Afrom+instructor++%0AORDER+BY+%60instructor%60.%60name%60+DESC&sql_signature=fcd09335057f63543d8bc12a80a46721258402a302f184c50cecf8fe6e7284c3&session_max_rows=25&is_browse_distinct=0) 2**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+%2A%0D%0Afrom+instructor++%0AORDER+BY+%60instructor%60.%60name%60+DESC&sql_signature=fcd09335057f63543d8bc12a80a46721258402a302f184c50cecf8fe6e7284c3&session_max_rows=25&is_browse_distinct=0) | [**dept\_name**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+%2A%0D%0Afrom+instructor++%0AORDER+BY+%60instructor%60.%60dept_name%60+ASC&sql_signature=d43db7c74a07a1a5fb935d2a0312554a277f2afe0e142364b53f5d6c9c571924&session_max_rows=25&is_browse_distinct=0) | [**salary [Descending](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+%2A%0D%0Afrom+instructor++%0AORDER+BY+%60instructor%60.%60salary%60+ASC&sql_signature=94f84ee1ac0d7574adb1369570ee8af3169fa1c230b3c3891b6f6804538815de&session_max_rows=25&is_browse_distinct=0) 1**](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=instructor&sql_query=select+%2A%0D%0Afrom+instructor++%0AORDER+BY+%60instructor%60.%60salary%60+ASC&sql_signature=94f84ee1ac0d7574adb1369570ee8af3169fa1c230b3c3891b6f6804538815de&session_max_rows=25&is_browse_distinct=0) |  | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 19368 | Wieland | [Pol. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=ffcc869fdf2728642ff410e8edadd008e4fd23efe4fd6c835fea5db5aebe5d6c&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Pol.+Sci.%27) | 124651 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 74420 | Voronina | [Physics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=6b1097ed62e85fc84ef38930d0d84c2c4c88d71e67a335f9f48ca0312abbe3cd&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Physics%27) | 121142 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 96895 | Mird | [Marketing](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=e60eacfe99fd9a49543cc65a730f49ce5f63f484c3877914cd2836c6a9175bc2&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Marketing%27) | 119921 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 95709 | Sakurai | [English](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=529c3f4c404c2dbfbca47c895ca744276fcc5395c902fede082e558cc3f88cf9&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27English%27) | 118144 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 90376 | Bietzk | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=ad140af942ef43bac352cad6b75722af7e1d951aa0e2acac30a86d55755ba4e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | 117837 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 34175 | Bondi | [Comp. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=39cf7b72cf7028328c329fd1f5d92699a2001f8b23a5b925cab392a3d0ec68e1&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Comp.+Sci.%27) | 115469 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 50330 | Shuming | [Physics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=6b1097ed62e85fc84ef38930d0d84c2c4c88d71e67a335f9f48ca0312abbe3cd&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Physics%27) | 108012 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 48507 | Lent | [Mech. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=7bd18958aded5f113e10beba7f0b4a94b418af56b3c36a4a666c16b1d0fc3970&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Mech.+Eng.%27) | 107978 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 74426 | Kenje | [Marketing](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=e60eacfe99fd9a49543cc65a730f49ce5f63f484c3877914cd2836c6a9175bc2&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Marketing%27) | 106555 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 6569 | Mingoz | [Finance](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=909d86f9de60a3deb47e44347c15d110dd4ef95fd1da3a8c8941c646850e5909&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Finance%27) | 105311 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 37687 | Arias | [Statistics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=2f48b4f0794ea634ffcc130a510c36d8bb2af7c7b2d108c49955b471fed57d18&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Statistics%27) | 104563 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 63287 | Jaekel | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=c351fc289053ccf71b7ef7224535f32d3cd6a3cbf185daf19c3cb2aa6eb438c3&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | 103147 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 77346 | Mahmoud | [Geology](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=41759120e0f029ba33c31508a57ffc0b8eeab75cb1bb483e40a534aa066e5450&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Geology%27) | 99383 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 16807 | Yazdi | [Athletics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=c351fc289053ccf71b7ef7224535f32d3cd6a3cbf185daf19c3cb2aa6eb438c3&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Athletics%27) | 98334 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 63395 | McKinnon | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=ad140af942ef43bac352cad6b75722af7e1d951aa0e2acac30a86d55755ba4e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | 94334 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 99052 | Dale | [Cybernetics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=ad140af942ef43bac352cad6b75722af7e1d951aa0e2acac30a86d55755ba4e7&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Cybernetics%27) | 93349 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 25946 | Liley | [Languages](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=d960a385be199b2d641b6515bc895d4a9ab82cb408dac245ae736f434ff5243c&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Languages%27) | 90892 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 73623 | Sullivan | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=499b1184b30aea50966d530546c39d91a89070c6b9ef99ed2a5881ea1b5b31a2&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | 90038 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 79653 | Levine | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=499b1184b30aea50966d530546c39d91a89070c6b9ef99ed2a5881ea1b5b31a2&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | 89806 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 4233 | Luo | [English](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=529c3f4c404c2dbfbca47c895ca744276fcc5395c902fede082e558cc3f88cf9&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27English%27) | 88791 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 52647 | Bancilhon | [Pol. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=ffcc869fdf2728642ff410e8edadd008e4fd23efe4fd6c835fea5db5aebe5d6c&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Pol.+Sci.%27) | 87958 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 48570 | Sarkar | [Pol. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=ffcc869fdf2728642ff410e8edadd008e4fd23efe4fd6c835fea5db5aebe5d6c&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Pol.+Sci.%27) | 87550 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 28400 | Atanassov | [Statistics](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=2f48b4f0794ea634ffcc130a510c36d8bb2af7c7b2d108c49955b471fed57d18&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Statistics%27) | 84983 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3199 | Gustafsson | [Elec. Eng.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=499b1184b30aea50966d530546c39d91a89070c6b9ef99ed2a5881ea1b5b31a2&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Elec.+Eng.%27) | 82534 |  |  |  |  |
|  | [Edit Edit](http://localhost/phpmyadmin/index.php) | [Copy Copy](http://localhost/phpmyadmin/index.php) | [Delete Delete](http://localhost/phpmyadmin/index.php) | 3335 | Bourrier | [Comp. Sci.](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=department&pos=0&sql_signature=39cf7b72cf7028328c329fd1f5d92699a2001f8b23a5b925cab392a3d0ec68e1&sql_query=SELECT+%2A+FROM+%60university%60.%60department%60+WHERE+%60dept_name%60+%3D+%27Comp.+Sci.%27) | 80798 |  |  |  |  |

**Query 9: 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**

Yazdi

Liley

McKinnon

Sullivan

Mahmoud

Dale

**Query 10: The *c1* relation, listing courses taught in Fall 2017**

select name, course\_id

from instructor, teaches

where (instructor.ID, dept\_name) = (teaches.ID, 'Biology');

**name course\_id**

Queiroz 559

Valtchev 415

Valtchev 702

**Query 11: The set of all courses taught in the Fall 2009 semester:**

select course\_id

from section

where semester = 'Fall' and year= 2009;

**course\_id**

105

237

242

960

304

334

486

**Query 12: The set of all courses taught in the Spring 2008 semester:**

select course\_id

from section

where semester = 'Spring' and year= 2008;

**course\_id**

362

852

991

962

237

349

345

158

704

**Query 13: Find the set of all courses taught either in Fall 2009 or in Spring 2008, or both.**

(select course\_id

from section

where semester = 'Fall' and year= 2009)

union

(select course\_id

from section

where semester = 'Spring' and year= 2008);

**course\_id**

105

237

242

960

304

334

486

362

852

991

962

349

345

158

704

**Query 14: To find the set of all courses taught in both the Fall 2009 and Spring 2008:**

(select course\_id

from section

where semester = 'Fall' and year= 2009)

intersect

(select course\_id

from section

where semester = 'Spring' and year= 2008);

| **course\_id** |  |
| --- | --- |
| [237](http://localhost/phpmyadmin/index.php?route=/sql&db=university&table=course&pos=0&sql_signature=8cd0c6d209d564a64639ae35133894f96fed9fa2ca095d71bf65177a7f8398ad&sql_query=SELECT+%2A+FROM+%60university%60.%60course%60+WHERE+%60course_id%60+%3D+%27237%27) |  |

**Query 15: To find all courses taught in the Fall 2009 semester but not in the Spring 2008 semester**

(select course\_id

from section

where semester = 'Fall' and year= 2009)

except

(select course\_id

from section

where semester = 'Spring' and year= 2008);

**course\_id**

105

242

960

304

334

486

**Query 16: Find the average salary of instructors in the Computer Science department.**

select avg (salary)

from instructor

where dept\_name = 'Comp. Sci.';

| **avg (salary)** |  |
| --- | --- |
| 98133.5000 |  |