TANIA OLIVEIRA GAMEIRO

SQL EXERCISES – CEBD 1250

Get all female employees

Get all employees hired after 01-01-1995

Get all the valid titles (with to\_date equals to 01-01-9999)

Get all salaries from 60000 to 90000

Get all titles where title is equal to engineer

Insert a new row into course table with 1, ‘CED-1250’, ‘Big Data Storage’

Delete all male employees hired at 01-01-2009

Update the salary of employee 499984 to 100000

Delete all titles not valid (with to\_date not equal to 01-01-9999)

[**CREATE TABLE**](https://dev.mysql.com/doc/refman/5.5/en/create-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (  
COURSE\_ID [**INTEGER**](https://dev.mysql.com/doc/refman/5.5/en/numeric-type-overview.html) [**NOT**](https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL,  
COURSE\_NAME [**VARCHAR**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html) (50) [**NOT**](https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL,  
COURSE\_DESCRIPTION [**VARCHAR**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html)(100) [**NOT**](https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_not) NULL  
)  
  
[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add COURSE\_DAY [**VARCHAR**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html)(50);  
  
[**INSERT**](https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (COURSE\_ID, COURSE\_NAME, COURSE\_DESCRIPTION, COURSE\_DAY)  
VALUES ('CEBD 1250', 'BIG DATA STORAGE', 'DATA STORAGE CLASS', 'SUNDAY');  
  
[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add title [**varchar**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html)(50);  
[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add HIRE\_DATE [**DATE**](https://dev.mysql.com/doc/refman/5.5/en/numeric-type-overview.html) ;  
[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add GENDER [**varchar**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html)(1);  
[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add SALARIES [**INTEGER**](https://dev.mysql.com/doc/refman/5.5/en/numeric-type-overview.html);  
[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add TO\_DATE [**DATE**](https://dev.mysql.com/doc/refman/5.5/en/numeric-type-overview.html);

[**alter table**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) add EMPLOYEE\_NUM [**INTEGER**](https://dev.mysql.com/doc/refman/5.5/en/numeric-type-overview.html);

[**ALTER TABLE**](https://dev.mysql.com/doc/refman/5.5/en/alter-table.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) ADD NAME [**VARCHAR**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html) (100);  
  
[**INSERT**](https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (COURSE\_ID, COURSE\_NAME, COURSE\_DESCRIPTION, COURSE\_DAY, GENDER,  
HIRE\_DATE, title, SALARIES, NAME, TO\_DATE, EMPLOYEE\_NUM)  
VALUES ('1250', 'BIG DATA STORAGE', 'DATA STORAGE CLASS', 'SUNDAY', 'F', '1989-09-08', 'DATA SCIENTIST', '49000', 'MARIA BARROS', ‘9999-01-01’,‘499514’);

[**INSERT**](https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (COURSE\_ID, COURSE\_NAME, COURSE\_DESCRIPTION, COURSE\_DAY, GENDER,  
HIRE\_DATE, title, SALARIES, NAME, TO\_DATE, EMPLOYEE\_NUM)  
VALUES ('1250', 'BIG DATA STORAGE', 'DATA STORAGE CLASS', 'SUNDAY', 'F', '1982-10-05', 'DATA ARCHITECT', '62000', 'NANCY CARRIGAN', ‘9999-01-01’, ‘498622’);

[**INSERT**](https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (COURSE\_ID, COURSE\_NAME, COURSE\_DESCRIPTION, COURSE\_DAY, GENDER,  
HIRE\_DATE, title, SALARIES, NAME, TO\_DATE, EMPLOYEE\_NUM)  
VALUES ('1250', 'BIG DATA STORAGE', 'DATA STORAGE CLASS', 'SUNDAY', 'F', '1992-01-10', 'DATA ANALYST', '43000', 'TINA MUNCH', ‘9999-01-01’, ‘500002’);

[**INSERT**](https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (COURSE\_ID, COURSE\_NAME, COURSE\_DESCRIPTION, COURSE\_DAY, GENDER,  
HIRE\_DATE, title, SALARIES, NAME, TO\_DATE, EMPLOYEE\_NUM)  
VALUES ('1250', 'BIG DATA STORAGE', 'DATA STORAGE CLASS', 'SUNDAY', 'M', '1987-01-03', ‘ENGINEER’, '88000', 'TONY ROMANO',‘9999-01-01’, ‘499984’);

[**INSERT**](https://dev.mysql.com/doc/refman/5.5/en/insert.html) INTO [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) (COURSE\_ID, COURSE\_NAME, COURSE\_DESCRIPTION, COURSE\_DAY, GENDER,  
HIRE\_DATE, title, SALARIES, NAME, TO\_DATE, EMPLOYEE\_NUM)  
VALUES ('1250', 'BIG DATA STORAGE', 'DATA STORAGE CLASS', 'SUNDAY', 'M', '2009-01-01', ‘SOLUTIONS ARCHITECT’, '75000', 'MARK HENDERSON',‘9999-01-01’, ‘502911’);

[**SELECT**](https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)   
WHERE GENDER='F';  
  
[**SELECT**](https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)  
WHERE HIRE\_DATE >'1995-01-01';

[**SELECT**](https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)   
WHERE TO\_DATE = '2009-01-01';

[**SELECT**](https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)  
WHERE SALARIES > '60000' [**AND**](https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) SALARIES < '90000';

[**SELECT**](https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)  
WHERE TITLE = 'ENGINEER';

[**DELETE**](https://dev.mysql.com/doc/refman/5.5/en/delete.html) FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course) WHERE HIRE\_DATE = '2009-01-01';

[**UPDATE**](https://dev.mysql.com/doc/refman/5.5/en/update.html) [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)   
[**set**](https://dev.mysql.com/doc/refman/5.5/en/string-type-overview.html) SALARIES = '100000'  
where EMPLOYEE\_NUM = '499984';

[**DELETE**](https://dev.mysql.com/doc/refman/5.5/en/delete.html) FROM [course](http://localhost:8080/?server=db&username=root&db=employees&table=course)  
WHERE TO\_DATE = '2009-01-01';