**Course Project   
DeVry University  
College of Engineering and Information Sciences**

**Course Number: CEIS236**

**Course Project Deliverable: 3**

**Part I: Tables Created:** Screenshot of tables below:

select \* from customer;

Graphical user interface, application

Description automatically generated

select \* from invoice;

Graphical user interface, text, application

Description automatically generated

select \* from line;

Graphical user interface, text, application

Description automatically generated

select \* from product;

Graphical user interface, application, table

Description automatically generated

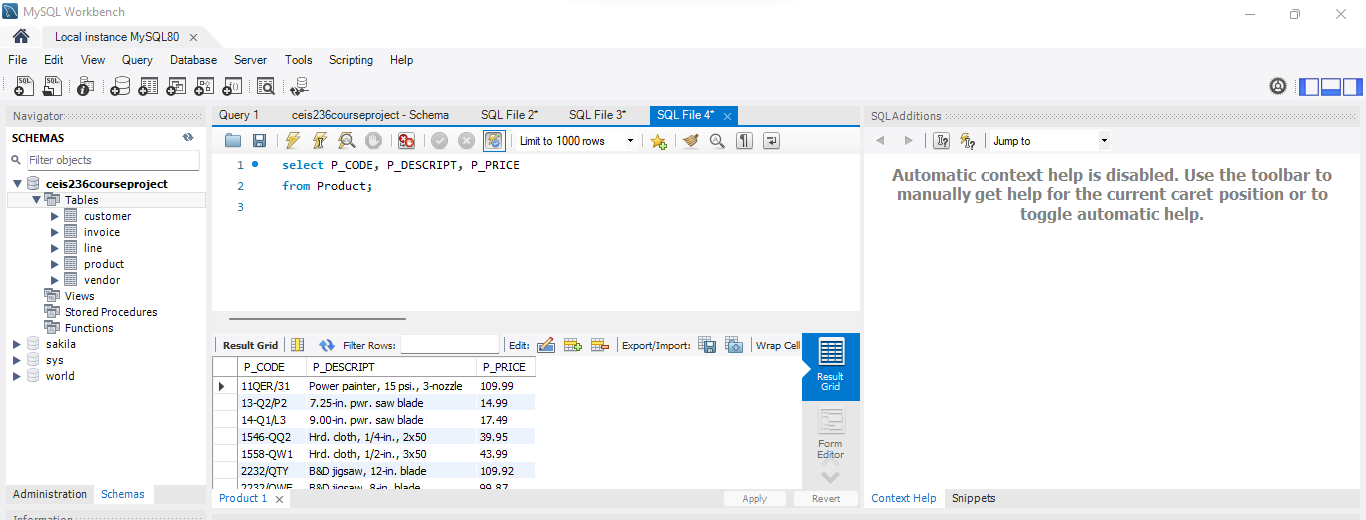
select \* from vendor;

Graphical user interface, application, table

Description automatically generated

**PART II:** Single table queries screenshots

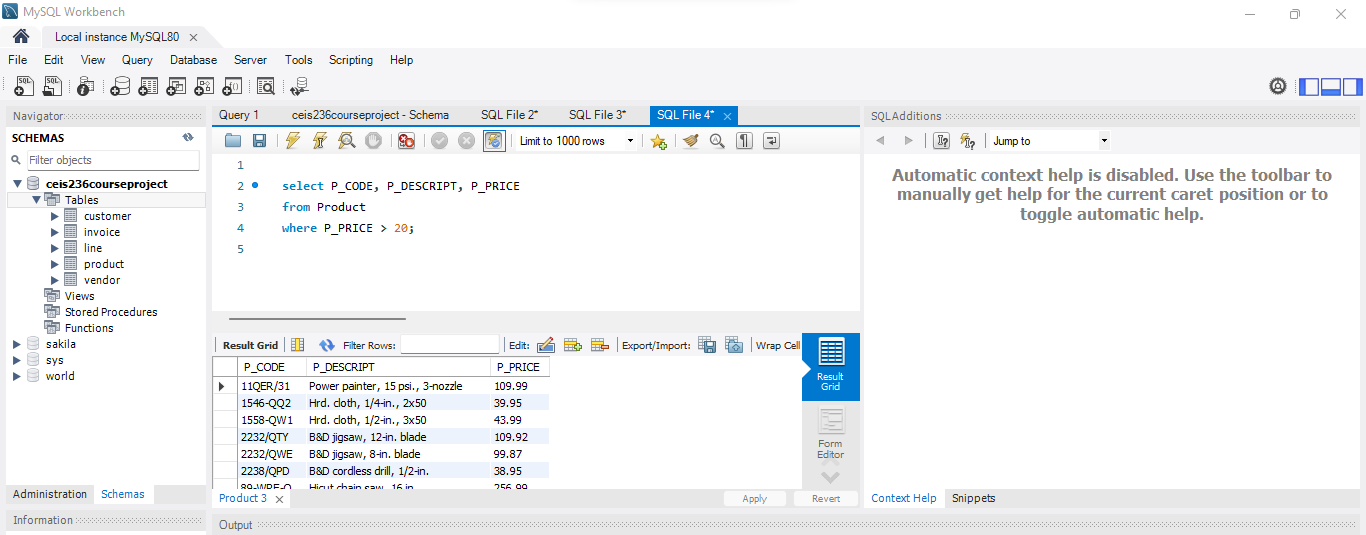
Problem 1: Write the SQL code required to list the product code, description, and price from the product table. Take a screenshot of your results



**select P\_CODE, P\_DESCRIPT, P\_PRICE  
from Product;**

Problem 2: Modify the query above to only show those products that cost more than 20. Take a screenshot of your results.

**select P\_CODE, P\_DESCRIPT, P\_PRICE  
from Product  
where P\_PRICE > 20;**



Problem 3: Modify the Problem 2 query above to show the results with price descending. Take a screenshot of your results.

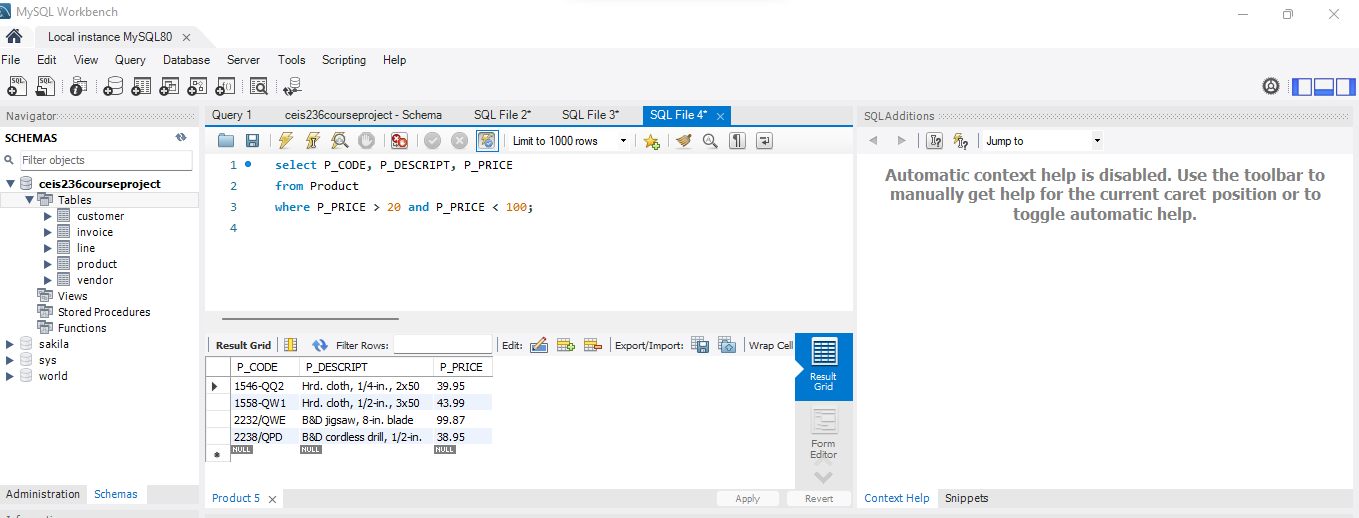
**select P\_CODE, P\_DESCRIPT, P\_PRICE  
from Product  
order by P\_PRICE DESC;**

Graphical user interface, text, application

Description automatically generated

Problem 4: Modify the Problem 3 query above to show products that cost more than 20 and less than 100. Take a screenshot of your results.

**select P\_CODE, P\_DESCRIPT, P\_PRICE  
from Product  
where P\_PRICE > 20 and P\_PRICE < 100;**



Problem 5: Write the SQL code required to list the first name and last name of all customers whose middle initial is G. Take a screenshot of your results (hint – you should get two names

SELECT CUS\_FNAME, CUS\_LNAME

FROM CUSTOMER

WHERE CUS\_INITIAL='G';

Graphical user interface, text, application

Description automatically generated

Problem 6: Write the SQL code required to list the code, first name, last name, and balance of all customers whose last names begin with O. Take a screenshot of your results (hint: you should get 3 names)

SELECT CUS\_CODE, CUS\_FNAME, CUS\_LNAME, CUS\_BALANCE

FROM CUSTOMER

WHERE CUS\_LNAME LIKE "O%";

Graphical user interface, text, application

Description automatically generated

Problem 7: Write the SQL code to list only distinct p\_codes from the line table

SELECT DISTICNT P\_CODE

FROM line;