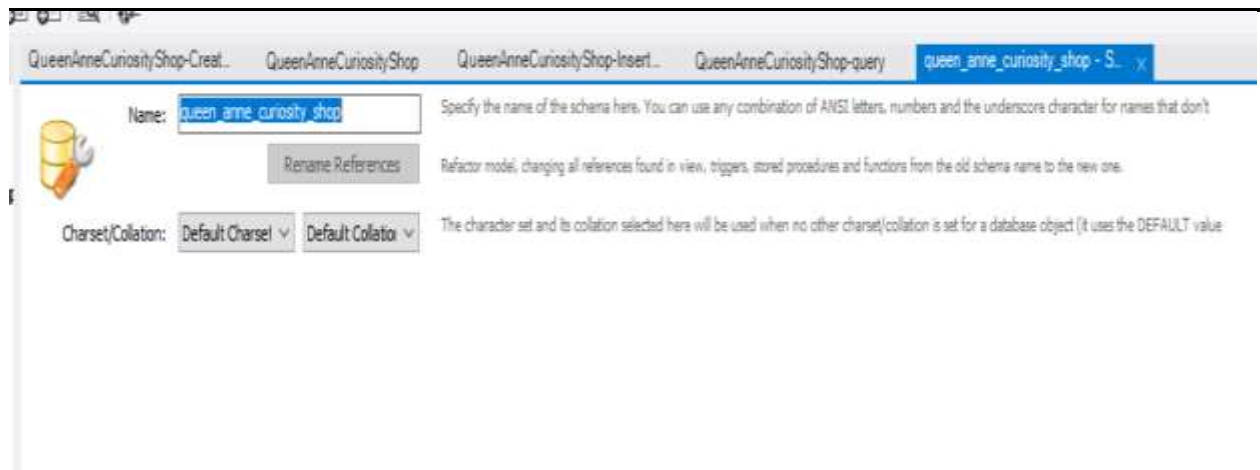


Assignment 2

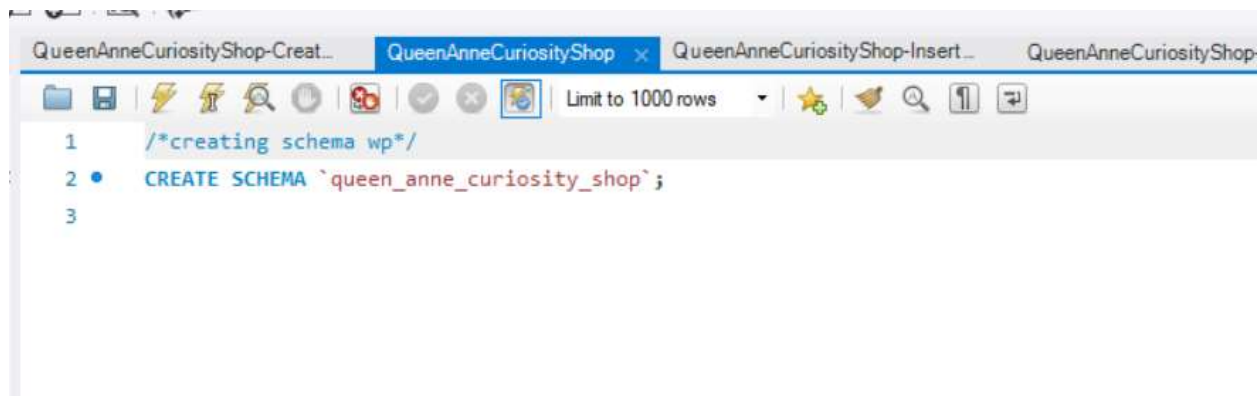
Name: Garima Sharma

StudentID: 300343374

(a)



or



b) Create Table Statements assumptions:

In CUSTOMER table, the value of city attribute is default set to Seattle. If there is not value entered in the row, then Seattle value is entered. The default value for state is set to WA and for Zip attribute, the default value is set to 98105. If no value is entered in the row, then value is set to 98105.

In VENDOR table, the value of city attribute is default set to Seattle. If there is not value entered in the row, then Seattle value is entered. The default value for state is set to WA and

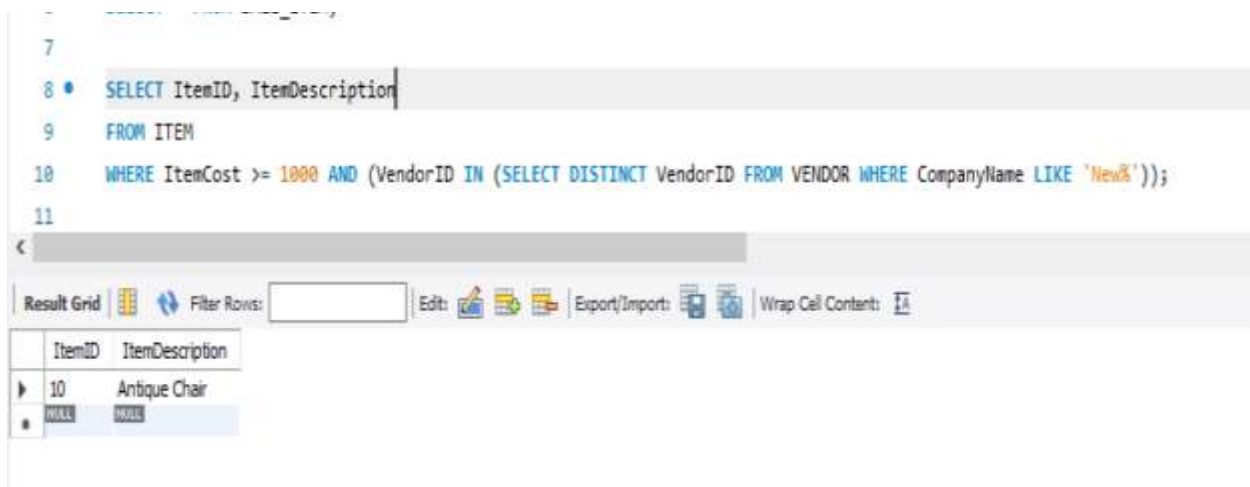
for Zip attribute, the default value is set to 98105. If no value is entered in the row, then value is set to 98105.

In the ITEM table, the default for the ItemDescription is set to Antique Desk. In case if no value is entered in new row, then this value will be entered. VendorID is used as a foreign key in this table. VendorID is surrogate key. So, ON UPDATE NO ACTION is set. Also, the phrase ON DELETE NO ACTION indicates to the DBMS that no VENDOR row deletion should be allowed if that row is connected to an ITEM row.

In the SALE table, CustomerID is used as a foreign key in this table. CustomerID is surrogate key. So, ON UPDATE NO ACTION is set. Also, the phrase ON DELETE NO ACTION indicates to the DBMS that no CUSTOMER row deletion should be allowed if that row is connected to an SALE row. Also, EmployeeID is used as a foreign key in this table. EmployeeID is surrogate key. So, ON UPDATE NO ACTION is set. Also, the phrase ON DELETE NO ACTION indicates to the DBMS that no EMPLOYEE row deletion should be allowed if that row is connected to an SALE row.

In the SALE_ITEM table, SaleID is used as a foreign key in this table. SaleID is surrogate key. So, ON UPDATE NO ACTION is set. Also, the phrase ON DELETE NO ACTION indicates to the DBMS that no SALE row deletion should be allowed if that row is connected to an SALE_ITEM row. Also, ItemID is used as a foreign key in this table. ItemID is surrogate key. So, ON UPDATE NO ACTION is set. Also, the phrase ON DELETE NO ACTION indicates to the DBMS that no ITEM row deletion should be allowed if that row is connected to an SALE row.

d)



The screenshot shows a database query editor with a SQL query and its results. The query is:

```
7  
8 • SELECT ItemID, ItemDescription  
9 FROM ITEM  
10 WHERE ItemCost >= 1000 AND (VendorID IN (SELECT DISTINCT VendorID FROM VENDOR WHERE CompanyName LIKE 'Newk'));  
11
```

Below the query editor, there is a toolbar with options: Result Grid, Filter Rows, Edit, Export/Import, and Wrap Cell Content. The results are displayed in a table:

ItemID	ItemDescription
10	Antique Chair
NULL	NULL

e)

```
12 • SELECT LastName, FirstName, Phone
13 FROM CUSTOMER
14 WHERE CustomerID IN (SELECT DISTINCT CustomerID FROM SALE WHERE SaleID = 1);
15
16 • SELECT LastName, FirstName, Phone
```

<

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	LastName	FirstName	Phone
▶	Shire	Robert	206-524-2433

f)

```
15
16 • SELECT LastName, FirstName, Phone
17 FROM CUSTOMER
18 WHERE CustomerID IN (SELECT DISTINCT CustomerID FROM SALE WHERE SaleID >= 1 AND SaleID <= 3);
19
20 • SELECT LastName, FirstName, Phone
21 FROM CUSTOMER
22 WHERE CustomerID IN (SELECT DISTINCT CustomerID FROM SALE WHERE (SaleID = 1 OR SaleID = 2 OR SaleID = 3));
23
24 • SELECT LastName, FirstName, Phone
25 FROM CUSTOMER
26 WHERE CustomerID IN (SELECT DISTINCT CustomerID FROM SALE WHERE (SaleID BETWEEN 1 AND 3));
```

<

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

	LastName	FirstName	Phone
▶	Shire	Robert	206-524-2433
	Goodyear	Katherine	206-524-3544
	Bancroft	Chris	425-635-9788