

COM427 - Week 11 Practical

SQL Statement which means that the table would be created called ward when this SQL is

Run SQL query/queries on database patients: 

```
1 CREATE TABLE ward (  
2     WardNum char(3),  
3     Wardtype char(10),  
4     Conscode char(3),  
5     PRIMARY KEY (WardNum),  
6     FOREIGN KEY (Conscode) REFERENCES CONSULTANT (Conscode)  
7 )  
8
```

executed. The primary key will be WardNum and Foreign key will be conscode.

```
1 CREATE TABLE patient (  
2     patnum char(3),  
3     Patname char(12),  
4     Address char(30),  
5     Age char(2),  
6     WardNum char(3),  
7     PRIMARY KEY (patnum),  
8     FOREIGN KEY (WardNum) REFERENCES ward (WardNum)  
9 )
```

SQL statement for the creation of the table patient which will allow for the creation of this table when the code is executed.

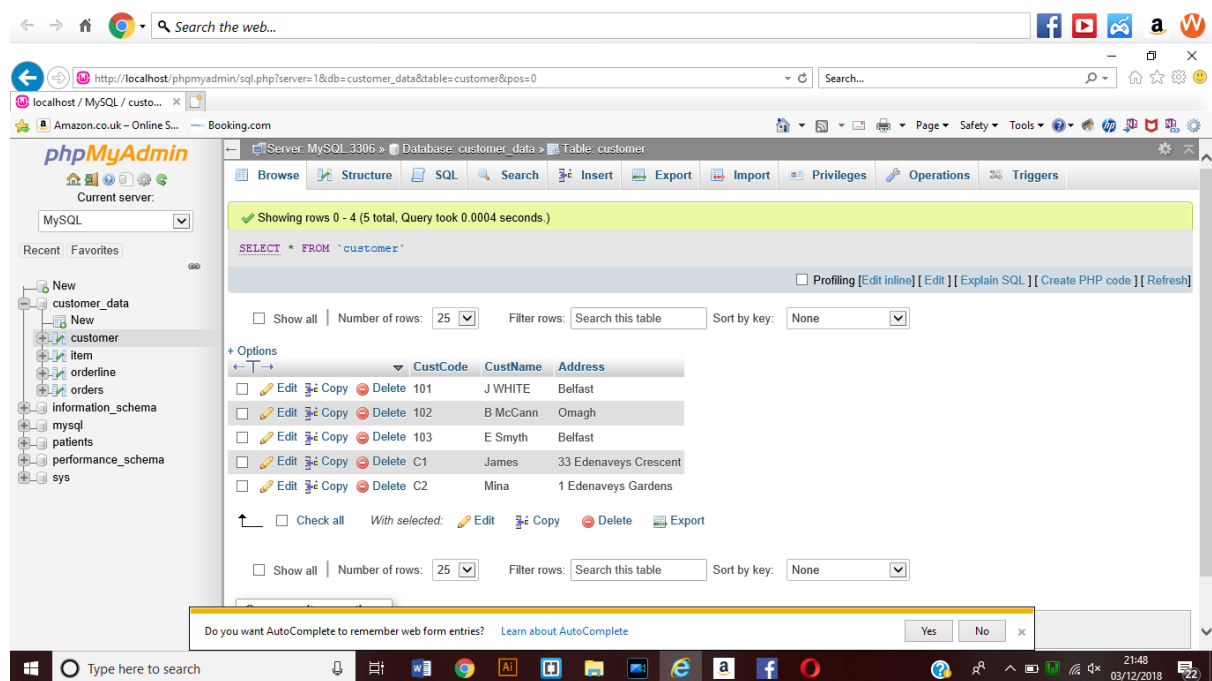
Will have primary key

patnum and foreign key will be wardnum

```
1 CREATE TABLE consultant (  
2     conscode char(3),  
3     consname char(12),  
4     Speciality char(12),  
5     PRIMARY KEY (conscode)  
6  
7 )
```

This SQL Command will create the table consultant when it is run and will have a primary key of conscode.

Inserting records into tables using SQL



This shows the customer table after the SQL insert statement had been executed so that the information could be added to the database that had been created as part of the week 10 practical work.

```
1 INSERT INTO orders VALUES
2 (523, 2015-05-12, 101), (524, 2015-05-12, 102), (525, 2015-05-15, 103), (526, 2015-05-17, 101), (527, 2015-05-17, 102);
```

Here is the insert SQL statement which would insert the values into the orders table on the database.

		ONumber	ODate	CustCode
<input type="checkbox"/>	Edit Copy Delete	001	2018-11-29	c1
<input type="checkbox"/>	Edit Copy Delete	002	2018-11-28	c2
<input type="checkbox"/>	Edit Copy Delete	523	2015-05-12	101
<input type="checkbox"/>	Edit Copy Delete	524	2015-05-12	102
<input type="checkbox"/>	Edit Copy Delete	525	2015-05-15	103
<input type="checkbox"/>	Edit Copy Delete	526	2015-05-17	101
<input type="checkbox"/>	Edit Copy Delete	527	2015-05-17	102

This shows the values have been added to the design which would mean that the data that I had create the SQL statement for was created.

Run SQL query/queries on database **customer_data**:

```
1 INSERT INTO orderline VALUES
2 (523, 3, 5), (523, 5, 30), (524, 2, 12), (525, 2, 5), (526, 1, 20), (527, 2, 10), (527, 3, 4), (527, 5, 15);
```

This shows the SQL statement that has been created to insert the values into the orderline table within the database that has been created.

Run SQL query/queries on database **customer_data**:

```
1 INSERT INTO item VALUES
2 (1, 'BIRO', 1.00), (2, 'PAD', 1.50), (3, 'DIARY', 4.50), (4, 'STAPLER', 5.00), (5, 'PENCIL', 0.70);
```

This shows the SQL statement for the values to be added to the item table within the database that had been created.

Deleting Value from the table

```
1 DELETE FROM item
2 WHERE ItemCode = 5;
```

This shows the SQL statement which would mean that you are deleting the value from the item table in the data base. This means that the pencil data will be removed from the database that has been created.

The screenshot shows the phpMyAdmin interface for the 'customer_data' database. The 'item' table is selected, and the 'SQL' tab is active. The query results show 4 rows (ItemCode 1 to 4) with columns ItemCode, ItemName, and UnitCost. The row with ItemCode 5 (Pencil) has been successfully deleted. A confirmation dialog box is visible at the bottom asking 'Do you want AutoComplete to remember web form entries?'. The table structure and data are as follows:

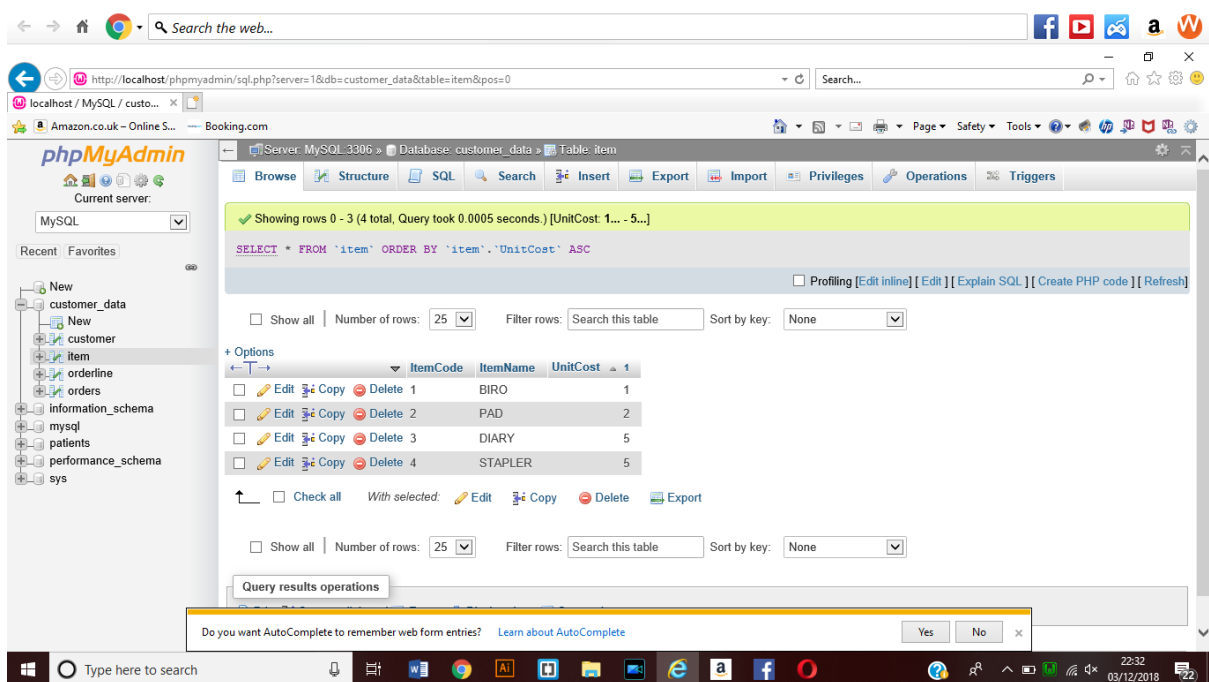
ItemCode	ItemName	UnitCost
1	BIRO	1
2	PAD	2
3	DIARY	5
4	STAPLER	5

This shows that the code has been executed and the values have been removed that were entered into the delete statement in the SQL.

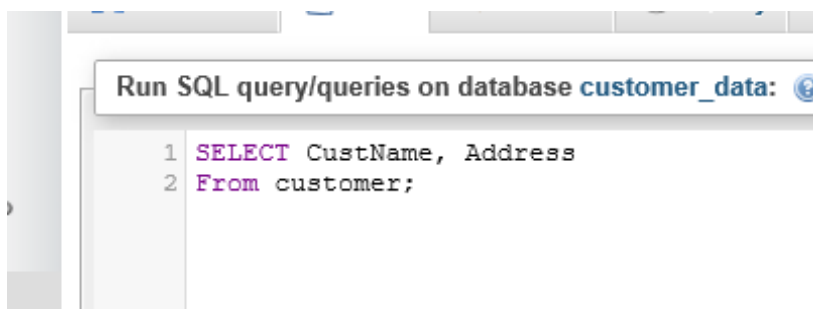
1 SQL query/queries on database **customer_data**:

```
1 UPDATE item
2 SET UnitCost = 1.75
3 WHERE ItemCode = 2;
```

This shows the update SQL statement which when executed will update the unit cost for the item which has code of number two which is the Pad data within the item table of the database.



This shows the update to the Unit cost when the SQL code has been executed.



This SQL statement when select the customer name and the address from the customer table within the database that has been

created.

+ Options	
CustName	Address
J WHITE	Belfast
B McCann	Omagh
E Smyth	Belfast
James	33 Edenaveys Crescent
Mina	1 Edenaveys Gardens

This shows the query results for the SQL statement that has been executed to display the name and address from the customer table within the database.

Run SQL query/queries on database **customer_db**

```
1 SELECT CustName
2 FROM customer
3 WHERE Address = 'Belfast';|
```

This shows the SELECTION statement that has been created to display the names of the customers where their address is Belfast.

This means that only the customer names will be displayed where the address matches the selection statement that had

been entered.

+ Options

CustName

J WHITE

E Smyth

This shows the results of the statement that has been executed which means that the names displayed are those which have been placed within the SQL selection statement that has been created.