CM2102 – Database Systems Coursework 2 – SQL Queries - C1722325

1. Query

```
SQL> r
1 Select StockNo, Description, Price
2 from Stocks
3 Where Price > 8
4* Order By Price
```

Result

DESCRIPTION	PRICE
Audio cassettes	8.58
5.25 in. floppy disks	11.38
3.5 in. floppy disks	12.85
	23.99
Toner cartridges	32.99
	Audio cassettes 5.25 in. floppy disks 3.5 in. floppy disks FX-100 printer ribbon

2. Query

```
SQL> r
1 Select StockNo, Description, Price, Quantity, Units
2 From Stocks
3 Where Description Like '%paper%'
4 or Description Like '%pen%'
5* or Description Like '%pencil%'
```

STOCKNO	DESCRIPTION	PRICE	QUANTITY	UNITS
102	A4 headed paper	4.11	17	Ream
103	Photocopying paper	2.98	30	Ream
104	Coloured paper	5.15	13	Ream
112	Coloured pens	3.65	17	Box 24
113	HB pencils	1.97	22	Box 24
128	A3 cream notary paper	7.85	21	Ream
6 rows sel	ected.			

3.

Query

```
SQL> r
1 Select StoreCode, Round(Avg(Price), 2) "Average Price"
2 From Stocks
3* Group By StoreCode
```

Result

```
STOREC Average Price
TYP 9.75
WORK 1.76
CENT 1.63
IT 15.54
LEG 5.34
```

4. Query

```
SQL> r
1 Select * from Stocks
2 Where (Price Between 10 and 20)
3* and (Not StockNo in (117, 118, 120))
```

Result

STOCKNO STORE	C DESCRIPTION	QUANTITY UNITS	REORDER	PRICE SUPPCO
116 IT	3.5 in. floppy disks	14 Box 10	20	12.85 S2

5. Query

```
SQL> r
1 Select SuppName
2 From Suppliers, Stocks
3 Where Suppliers.SuppCode = Stocks.SuppCode
4 Group By SuppName
5* having Count(Distinct Storecode) >= 3
```

```
SUPPNAME
I.T. Supplies (Wales)
Office Matters
Fastorder Stationers
```

6.

Query

```
SQL> r
1    Select SuppName "Supplier Name",
2    Replace(Street||', '||Town||', '||County||', '||PostCode, ', ,', ', ') as "Supplier Address"
3* From Suppliers
```

Result

Supplier Name	Supplier Address
I.T. Supplies (Wales) Fastorder Stationers Office Matters Legal Services Ltd. TKG Tools Ltd. Business Systems Ltd.	3 Marlborough Ave., Cardiff, CF1 1IT Riverside View, Newport, Gwent, NP1 7XJ 20 Berrick Street, Bridgend, Mid Glam., CF38 3BB Westway Road, London, N8 8PA 7 High Street, Swansea, SA7 2WG 155 Stradleigh Place, London, E10 6LL
6 rows selected.	

7. Query

```
SQL> r
1 Select SuppCode, SuppName
2 From Suppliers
3 Where SuppCode Not in
4 (Select SuppCode From Orders
5* Where OrderNo = 2)
```

Result

```
SUPP SUPPNAME

S6 Business Systems Ltd.

S4 Office Matters

S5 Legal Services Ltd.

S1 TKG Tools Ltd.

S3 Fastorder Stationers
```

8. Query

```
SQL> r
1 Select StockNo, Description, Price, Quantity
2 From Stocks
3 Where Price > (Select Avg(Price) From Stocks)
4* and StoreCode = 'LEG'
```

STOCKNO	DESCRIPTION	PRICE	QUANTITY
127	Sealing wax	7.99	9
	Red binding ribbon	6.47	13
	A3 cream notary paper	7.85	21

Query

```
SQL> r
1 Select Stocks.StockNo, Stocks.Description, OrderItems.Qtyord
2 From Stocks, OrderItems
3* Where Stocks.StockNo = OrderItems.StockNo(+)
```

10. Query

```
SQL> r
1 Select SuppCode, SuppName, PostCode
2 From Suppliers
3 Where SuppCode not in
4 (Select Distinct(Suppcode)
5 From Stocks
6 Where Price <
7 (Select Avg(Price)
8* From Stocks))
```

SUPP	SUPPNAME	POST	CODE
S6 S5	Business Systems Ltd. Legal Services Ltd.	E10 N8	

Report Command

```
3 clear screen;
 4 accept Report_File char prompt 'Enter a file name for
 6 /* Column headers */
8 col StoreCode format A11 heading "Store Code";
9 col Description format A23 heading "Item Description";
10 col Price format $99.99 heading "Temporation";
10 col Price format $99.99 heading "Price"
11 col Quantity format $999999 heading "Quantity";
11 col Quantity format $99999 99 heading "Value";
12 col (Price*Quantity) format $99999.99 heading
13
14 /* Formating and Titling pages */
15 set Pause off;

16 set Feedback off;

17 set Space 8;

18 set newpage 2;

19 set pagesize 57;

20 set linesize 91;

21 set underline =;
                                          tack Walue by Store' skip 2 left -
22 ttitle center
                           &Reporting_Officer right -
23
24 &Todays Date skip 4;
25 btitle center format 999 SQL.PNO;
26
28
29 break on StoreCode skip 2 on Description skip 1 on Report;
30 compute sum label 'Store Fotal' of (Price*Quantity) on Stor
31 compute sum label 'Grand Fotal' of (Price*Quantity) on Repo
                                                        of (Price*Quantity) on StoreCode;
of (Price*Quantity) on Report;
32
33 /* Selecting data & sending to file */
34
35 spool &Report File;
36
          ect StoreCode, Description, Price, Quantity, (Price*Quantity)
37
38 from
39 o
                 StoreCode, Description;
40
41 spool off;
42
44
45 clear breaks:
46 clear columns:
47 clear computes;
48 set Pause on;
```

Current Stock Value by Store					
prepared by Spyros	prepared by SpyrosLontos 23/11/2018				
Store Code	Item Description	Price ======	Quantity ======	Value =======	
CENT	12 inch rulers	\$.22	23	\$5.06	
	A4 headed paper	\$4.11	17	\$69.87	
	Black ballpoints	\$2.42	6	\$14.52	
	Drawing pins	\$.47	37	\$17.39	
	Fluorescent markers	\$1.89	2	\$3.78	
	HB pencils	\$1.97	22	\$43.34	
	Photocopying paper	\$2.98	30	\$89.40	
	Sellotape	\$.45	21	\$9.45	
	Staples	\$.42	11	\$4.62	
	Tipp-ex bottles	\$.81	35	\$28.35	
	Window envelopes	\$2.15	22	\$47.30	
******	******				
Store Total				\$333.08	
IT	3.5 in. floppy disks	\$12.85	14	\$179.90	
	5.25 in. floppy disks	\$11.38	32	\$364.16	
	Anti-static wipes	\$4.95	18	\$89.10	
	Toner cartridges	\$32.99	7	\$230.93	
******	******				
Store Total				\$864.09	
LEG	A3 cream notary paper	\$7.85	21	\$164.85	
	Coloured ink	\$3.48	22	\$76.56	
	Coloured pens	\$3.65	17	\$62.05	
	Large envelopes	\$2.57	8	\$20.56	
		1			

Current Stock Value by Store

	Current Stock	Value by Store			
prepared by Spy	rosLontos			23/11/2018	
Store Code	Item Description	Price	Quantity	Value	
LEG	======== Red binding ribbon	====== \$6.47	13	\$84.11	
	Sealing wax	\$7.99	9	\$71.91	
********* Store Total	***********			\$480.04	
TYP	Audio cassettes	\$8.58	8	\$68.64	
	Coloured paper	\$5.15	13	\$66.95	
	FX-100 printer ribbon	\$23.99	25	\$599.75	
	Sticky labels	\$4.83	45	\$217.35	
	Typewriter ribbons	\$6.19	16	\$99.04	
********* Store Total	******			\$1051.73	
WORK	10 x 1 inch wood screws	\$1.35	13	\$17.55	
	13 amp electrical wire	\$1.84	22	\$40.48	
	8 x 1 inch wood screws	\$2.85	8	\$22.80	
	Angle brackets	\$2.85	18	\$51.30	
	Door hinges	\$2.14	24	\$51.36	
	Electrical solder	\$1.59	11	\$17.49	
	Masking tape	\$.49	8	\$3.92	
	White spirit	\$.98	6	\$5.88	
********* Store Total	***********			\$210.78	
Grand Total				\$2939.72	
		2			