Q1

SELECT STOCKNO, DESCRIPTION, QUANTITY FROM STOCKS WHERE QUANTITY > 25 ORDER BY QUANTITY ASC

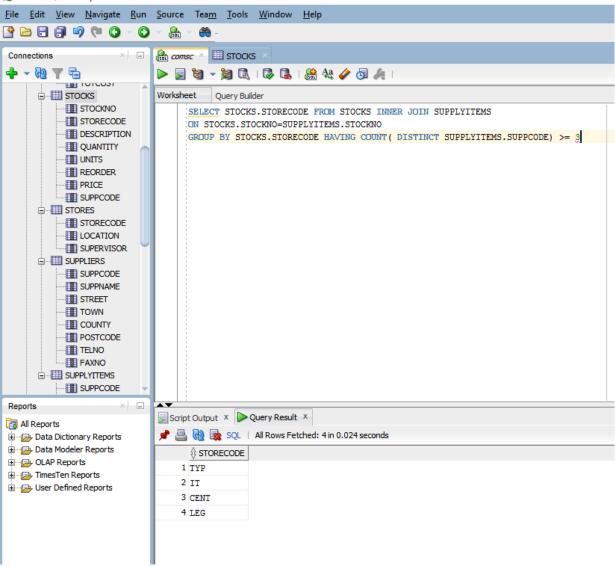|	STOCKNO	DESCRIPTION	QUANTITY
1	103	Photocopying paper	30
2	117	5.25 in. floppy disks	32
3	121	Tipp-ex bottles	35
4	107	Drawing pins	37
5	105	Sticky labels	45

Q2

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comsc

Worksheet   Query Builder

```
SELECT SUPPCODE, SUPPNAME FROM SUPPLIERS WHERE (TOWN= 'Swansea' OR TOWN = 'Cardiff')
```

Query Result

All Rows Fetched: 2 in 0.023 seconds

	SUPPCODE	SUPPNAME
1	S1	TKG Tools Ltd.
2	S2	I.T. Supplies (Wales)

Q3

SELECT * FROM SUPPLIERS WHERE (TELNO LIKE '081%' OR STREET LIKE '%road%')

	SUPPCODE	SUPPNAME	STREET	TOWN	COUNTY	POSTCODE	TELNO	FAXNO
1	S5	Legal Services Ltd.	Westway Road	London	(null)	N8 8PA	081 333 1246	081 333 5490
2	S6	Business Systems Ltd.	155 Stradleigh Place	London	(null)	E10 6LL	081 535 3535	081 535 3355

Q4

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Connections

comsc   STOCKS

Worksheet   Query Builder

```sql
SELECT STOCKS.STORECODE, SUM(STOCKS.QUANTITY) as TOTALSTOCK, ROUND(AVG(SUPPLYITEMS.PRICE), 2)
as AVERAGEPRICE
FROM STOCKS INNER JOIN SUPPLYITEMS
ON STOCKS.STOCKNO=SUPPLYITEMS.STOCKNO GROUP BY STORECODE
```

Script Output ×   Query Result ×

SQL | All Rows Fetched: 5 in 0.026 seconds

	STORECODE	TOTALSTOCK	AVERAGEPRICE
1	TYP	214	9.82
2	WORK	110	1.76
3	CENT	447	2
4	IT	206	14.09
5	LEG	163	5.01

Q5


```sql
SELECT STOCKS.STORECODE FROM STOCKS INNER JOIN SUPPLYITEMS
ON STOCKS.STOCKNO=SUPPLYITEMS.STOCKNO
GROUP BY STOCKS.STORECODE HAVING COUNT( DISTINCT SUPPLYITEMS.SUPPCODE) >= 3
```

Script Output   Query Result

All Rows Fetched: 4 in 0.024 seconds

	STORECODE
1	TYP
2	IT
3	CENT
4	LEG

Q6

SELECT SUPPNAME, REPLACE(STREET||', '||TOWN||', '||COUNTY||', '||
POSTCODE, ', ,', ', ') as ADDRESS
FROM SUPPLIERS

All Rows Fetched: 6 in 0.022 seconds

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

Q7


```sql
SELECT S.STORECODE FROM STORES S
WHERE S.STORECODE NOT IN (
SELECT S.STORECODE FROM STORES S, STOCKS STK, SUPPLIERS SP
WHERE S.STORECODE = STK.STORECODE
AND STK.SUPPCODE = SP.SUPPCODE
AND SP.TOWN='Cardiff')
```

Query Result

All Rows Fetched: 2 in 0.042 seconds

	STORECODE
1	LEG
2	WORK

Q8


```sql
SELECT STK.STOCKNO, STK.DESCRIPTION, SPI.PRICE FROM STOCKS STK, SUPPLYITEMS SPI
WHERE STK.STOCKNO = SPI.STOCKNO
AND SPI.PRICE >(SELECT AVG(PRICE) FROM SUPPLYITEMS)
AND STK.STORECODE = 'LEG'
```

	STOCKNO	DESCRIPTION	PRICE
1	126	Sealing wax	7.99
2	127	Red binding ribbon	6.47
3	128	A3 cream notary paper	7.85
4	128	A3 cream notary paper	7.99

Q9

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comsc   ×   ORDERITEMS   ×

Worksheet   Query Builder

```
SELECT STK.STOCKNO, STK.DESCRIPTION, OI.QTYORD FI
LEFT OUTER JOIN ORDERITEMS OI
ON STK.STOCKNO = OI.STOCKNO
ORDER BY STK.STOCKNO ASC
```

Query Result ×

SQL | All Rows Fetched: 34 in 0.025 seconds

	STOCKNO	DESCRIPTION	QTYORD
1	102	A4 headed paper	(null)
2	103	Photocopying paper	(null)
3	104	Coloured paper	(null)
4	105	Sticky labels	(null)
5	106	Sellotape	10
6	107	Drawing pins	(null)
7	108	Staples	10
8	109	Window envelopes	(null)
9	110	Large envelopes	(null)
10	111	Black ballpoints	10
11	112	Coloured pens	(null)
12	113	HB pencils	(null)
13	114	Fluorescent markers	(null)
14	115	12 inch rulers	(null)
15	116	3.5 in. floppy disks	10
16	117	5.25 in. floppy disks	10
17	118	Toner cartridges	(null)
18	119	FX-100 printer ribbon	(null)
19	121	Tipp-ex bottles	(null)
20	122	Typewriter ribbons	(null)
21	123	Audio cassettes	(null)
22	124	Anti-static wipes	(null)
23	126	Sealing wax	(null)
24	127	Red binding ribbon	(null)
25	128	A3 cream notary paper	(null)
26	129	Coloured ink	(null)
27	130	8 x 1 inch wood screws	(null)
28	131	10 x 1 inch wood screws	(null)
29	132	13 amp electrical wire	(null)
30	134	Electrical solder	(null)
31	135	White spirit	(null)
32	137	Masking tape	(null)
33	138	Door hinges	(null)
34	139	Angle brackets	(null)

Connections

Connections
  comsc
    Tables (Filtered)
      ORDERITEMS
        ORDERNO
        STOCKNO
        QTYORD
      ORDERS
        ORDERNO
        SUPPCODE
        ORDERDATE
        AUTHORITY
        TOTCOST
      STOCKS
        STOCKNO
        STORECODE
        DESCRIPTION
        QUANTITY
        UNITS
        REORDER
        PRICE
        SUPPCODE
      STORES
      SUPPLIERS
      SUPPLYITEMS

Reports

All Reports
  Data Dictionary Reports
  Data Modeler Reports
  OLAP Reports
  TimesTen Reports
  User Defined Reports

Q10

Q11

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Connections

comsc
  Tables (Filtered)
  Views
  Editioning Views
  Indexes
  Packages
  Procedures
  Functions
  Queues
  Queues Tables
  Triggers
  Crossedition Triggers
  Types
  Sequences
  Materialized Views
  Materialized View Logs
  Synonyms
  Public Synonyms
  Database Links
  Public Database Links
  Directories
  Editions
  Application Express
  Java

Reports

All Reports
  Data Dictionary Reports
  Data Modeler Reports
  OLAP Reports
  TimesTen Reports
  User Defined Reports

comsc   STOCKS

0.54400003 seconds

Worksheet   Query Builder

```
/* Reporting Exercise */
CLEAR SCREEN;
CLEAR BREAKS;
ACCEPT REPORT_FILE CHAR PROMPT 'ENTER A FILE NAME FOR REPORT ';
/* set up column headers */
COL STORECODE FORMAT A21 HEADING 'Store Code';
COL DESCRIPTION FORMAT A20 HEADING 'Item Description' WORD_WRAPPED;
COL PRICE FORMAT $990.99 HEADING 'Price';
COL QUANTITY FORMAT 9999 HEADING 'Quantity';
COL QUANTITY*PRICE FORMAT $9990.99 HEADING 'Value';
/* set up report features */
SET PAUSE OFF;
SET PAGESIZE 60;
SET LINESIZE 82;
SET FEEDBACK OFF;
SET SPACE ' ';
TTITLE CENTER 'Current Stock Value By Store' SKIP 2 -
CENTER 'prepared by Matthew' SKIP 2 -
CENTER _DATE SKIP 3
BTITLE CENTER FORMAT 999 SQL.PNO;
/* set breaks and computes */
BREAK ON STORECODE SKIP 2 ON REPORT SKIP 2;
COMPUTE SUM LABEL 'Store Total' OF QUANTITY*PRICE ON STORECODE;
COMPUTE SUM LABEL 'Grand Total' OF QUANTITY*PRICE ON REPORT;
/* Select table data */
SPOOL &REPORT_FILE;
SELECT STORECODE, DESCRIPTION, PRICE, QUANTITY, QUANTITY*PRICE
FROM STOCKS
ORDER BY STORECODE;
SPOOL OFF;
/* Clear all settings */
CLEAR BREAKS;
CLEAR COLUMNS;
CLEAR COMPUTES;
SET FEEDBACK ON;
```

Current Stock Value By Store

prepared by Matthew

03-DEC-15

Store Code	Item Description	Price	Quantity	Value
CENT	A4 headed paper	$4.11	17	$69.87
	Photocopying paper	$2.98	30	$89.40
	Tipp-ex bottles	$0.81	35	$28.35
	12 inch rulers	$0.22	23	$5.06
	Sellotape	$0.45	21	$9.45
	HB pencils	$1.97	22	$43.34
	Staples	$0.42	11	$4.62
	Window envelopes	$2.15	22	$47.30
	Fluorescent markers	$1.89	2	$3.78
	Black ballpoints	$2.42	6	$14.52
	Drawing pins	$0.47	37	$17.39
*********************				---------
Total				$333.08
IT	Toner cartridges	$32.99	7	$230.93
	Anti-static wipes	$4.95	18	$89.10
	5.25 in. floppy disks	$11.38	32	$364.16
	3.5 in. floppy disks	$12.85	14	$179.90
*********************				---------
Total				$864.09
LEG	A3 cream notary paper	$7.85	21	$164.85
	Large envelopes	$2.57	8	$20.56
	Coloured ink	$3.48	22	$76.56
	Coloured pens	$3.65	17	$62.05
	Red binding ribbon	$6.47	13	$84.11
	Sealing wax	$7.99	9	$71.91
*********************				---------
Total				$480.04
TYP	Sticky labels	$4.83	45	$217.35
	FX-100 printer ribbon	$23.99	25	$599.75
	Coloured paper	$5.15	13	$66.95
	Typewriter ribbons	$6.19	16	$99.04
	Audio cassettes	$8.58	8	$68.64
*********************				---------
Total				$1051.73

```
                    Current Stock Value By Store

                        prepared by Matthew

                          03-DEC-15


Store Code              Item Description        Price Quantity     Value
--------------------    ----------------------  -------- -------- ---------
WORK                    Masking tape            $0.49         8     $3.92
                        Angle brackets          $2.85        18    $51.30
                        8 x 1 inch wood         $2.85         8    $22.80
                        screws

                        White spirit            $0.98         6     $5.88
                        Electrical solder       $1.59        11    $17.49
                        13 amp electrical       $1.84        22    $40.48
                        wire

                        Door hinges             $2.14        24    $51.36
                        10 x 1 inch wood        $1.35        13    $17.55
                        screws

********************                                             ---------
Total                                                             $210.78


                                                                 ---------
Grand Total                                                      $2939.72
```