

## Exercise Six

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6.1 Describe the `store_locations` and `location_type` table. Note the foreign key is between the `lt_location_type` and `sl_location_type` columns. Save as `c:\course\sql6_1.php`

```
sl_location_id int(11)  
sl_location_name text  
sl_location_address text  
sl_parent_location_id int(11)  
sl_location_telephone text  
sl_location_type text  
sl_created_date date  
sl_updated_date date
```

```
lt_location_type varchar(1)  
lt_location_description varchar(30)  
lt_created_date date  
lt_updated_date date
```

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6.2 Select the location\_name and location\_description from the store\_locations and location\_type tables, this will produce 61 rows. Save as c:\course\sql6\_2.php

*GORSEINON DIVISION*  
*GLASGOW DIVISION*  
*WIMBLEDON DIVISION*  
*WEST NORWOOD HEAD OFFICE*  
*BRISTOL REGION*  
*EDINBURGH REGION*  
*HILLSEA IND EST REGION*  
*REDDITCH REGION*  
*MANCHESTER REGION*  
*EXETER STORE*  
*DERBY STORE*  
*BURY STORE*  
*BRIDGEND STORE*  
...



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6.3 The following output is as a result of joining the Products, Products\_Group and Products\_Sales tables together. The Products Group and Products table join together using the PGR\_GROUP\_NUMBER and PRO\_GROUP\_NUMBER, the Products and Products\_Sales tables join together using the PRO\_PRODUCT\_NUMBER and the PSS\_PRODUCT\_NUMBER.

The purpose of this query is to display the total number of sales for all Products within all Groups, therefore aggregation must also be used, otherwise nearly fifty thousand individual records will be displayed!

Describe all three of the above tables to view the various columns needed for this query, these are pgr\_group\_name, pro\_name and pss\_number\_of\_units.

Save as c:\course\sql6\_3.php.

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*BATHROOM BATH SIDE PANEL - MAHOGANY 18194*  
*BATHROOM BATH SIDE PANEL - PINE 10593*  
*BATHROOM CHROME TAPS 18167*  
*BATHROOM GOLD EFFECT TAPS 15243*  
*BATHROOM NOSTALGIA SUITE 39825*  
*BUILDING BLUE CIRCLE CEMENT 54702*  
*BUILDING BREEZE BLOCKS 54320*  
*BUILDING COARSE SAND 54906*  
*BUILDING FINE SAND 54504*  
*BUILDING RED BRICKS 54782*  
*DECORATING 5 BRUSH SET 54960*  
*DECORATING CROWN NON DRIP GLOSS - WHITE 54952*  
*DECORATING CROWN NON DRIP GLOSS -MAGNOLIA 54533*  
*DECORATING ROSE VINYL WALLPAPER 54743*  
*DECORATING WALLPAPER PASTE 54437*  
*GARDENING GNOME 54597*  
*GARDENING LAWMOWER BLADE 57509*  
*GARDENING ROSE BUSH - PINK 54750*  
*GARDENING ROSE BUSH - RED 54890*  
*GARDENING RUBBER PLANT 54393*  
*HARDWARE 1 HINGE PACK (LH) 15014*  
*HARDWARE 1 HINGE PACK (RH) 14203*  
*HARDWARE POZIDRIVE SCREWS 1 INCH 16406*  
*HARDWARE POZIDRIVE SCREWS 3 INCH 16599*  
*HARDWARE SLEDGEHAMMER 15477*