COP1000

A corporation has six divisions, each responsible for sales to different geographic locations. Design a `DivSales` class that keeps sales data for a division, with the following members:

- An array with four elements for holding four quarters of sales figures for the division
- A private static variable for holding the total corporate sales for all divisions for the entire year.

- A member function that takes four arguments, each assumed to be the sales for a quarter. The value of the arguments should be copied into the array that holds the sales data. The total of the four arguments should be added to the static variable that holds the total yearly corporate sales.
- A function that takes an integer argument within the range of 0 to 3. The argument is to be used as a subscript into the division quarterly sales array. The function should return the value of the array element with that subscript.

Write a program that creates an array of six `DivSales` objects. The program should ask the user to enter the sales for four quarters for each division. After the data is entered, the program should display a table showing the division sales for each quarter. The program should then display the total corporate sales for the year.

You may consider using the following data:

I.

```
const int NUM_DIV = 6;    // Number of divisions

class DivSales
{
private:
    double sales[4];         // There are 4 quarters
    static double totalSales;
public:
    void setSales(double, double, double, double);
    double getQSales(int q)
       { return sales[q]; }
    double getCorpSales()
       { return totalSales; }
};
```

II.

```
setSales //sets the sales from each division and computes total sales

salesByDiv // displays a list of sales figures by division
```

Output:

```
Enter sales data for Division …
```