Projects X   Files   Services   —

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- Gaddis_9thEd_Chap2_Prob02_SalesPrediction
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main(int argc, char** argv) - Navigator X   —
- main(int argc, char** argv)

salesprediction.cpp   X

Source   History

```cpp
/*
 * File: salesprediction.cpp
 * Author: Kevin Morris
 * Created on June 24, 2022, 12:57 PM
 * Purpose: The East Coast sales division of a company generates 58 percent of
 * total sales. Based on that percentage,
 * write a program that will predict how much the East Coast division will
 * generate if the company has $8.6 million in sales this year.
 */
//System Libraries
#include<iostream>
#include<iomanip>
using namespace std;
//User Libraries
//Global Constants
//Mathematical/Physics/Conversions, Higher dimensioned arrays
//Function Prototypes
//Execution Begins Here
int main(int argc, char**argv){
//ecSlsDiv= East Coast Division annual sales 58%
//ttlSls= Company total annual sales
//ecSlsPyr=formula (ecSlsDiv/ttlSls)*100{
    float ecSlsDiv,ttlSls,ecSlsPyr;
                ecSlsDiv=.58e2f; //East Coast sales percentage (58%).
                ttlSls=8.6e-7f; //Annual sales this year.
      ecSlsPyr=ecSlsDiv*ttlSls*10e+4f; //Percentage of the annual East Coast
                                //division sales.
    cout<<"In order to find the percentage of annual sales the East Coast"
        " division will contribute."<<endl;
    cout<<"We need to calculate how much of a revenue the East Coast"
        " division contributes."<<endl;
    cout<<"To sum up, if the East Coast division is responsible for 58%"
        " of total sales,"<<endl;
    cout<< "and the total sales are $8.6 million. "<<endl;
    cout<<setprecision(3);
    cout<<"Then the East Coast division will generate $"<<(ecSlsPyr);
    cout<<" million of the company's annual sales.";
//Exit stage right
return 0;
}
```

Output - Gaddis_9thEd_Chap2_Prob02_SalesPrediction (Run) X

```
In order to find the percentage of annual sales the East Coast division will contribute.
We need to calculate how much of a revenue the East Coast division contributes.
To sum up, if the East Coast division is responsible for 58% of total sales,
and the total sales are $8.6 million.
Then the East Coast division will generate $4.99 million of the company's annual sales.
RUN SUCCESSFUL (total time: 733ms)
```