This file contains just a program shell in which you will write all the programming statements needed to complete the program. Here is a copy of the current contents of icecream.cpp.

1 // Lab 3 icecream.cpp   
 2 // WRITE A COMMENT BRIEFLY DESCRIBING THE PROGRAM.   
 3 // PUT YOUR NAME HERE.  
 4 // INCLUDE ANY NEEDED FILES HERE.

5 using namespace std;  
 6   
 7 int main()  
 8 {   
 9 // DEFINE NAMED CONSTANTS HERE TO HOLD THE PRICES OF THE 3   
10 // SIZES OF ICE CREAM CONES. GIVE EACH ONE A DESCRIPTIVE  
11 // NAME AND AN APPROPRIATE DATA TYPE.   
12   
13 // DECLARE ALL NEEDED VARIABLES HERE. GIVE EACH ONE A DESCRIPTIVE  
14 // NAME AND AN APPROPRIATE DATA TYPE.   
15   
16 // WRITE STATEMENTS HERE TO PROMPT FOR AND INPUT THE INFORMATION  
17 // THE PROGRAM NEEDS TO GET FROM THE USER.  
18   
19 // WRITE STATEMENTS HERE TO PERFORM ALL NEEDED COMPUTATIONS   
20 // AND ASSIGN THE RESULTS TO VARIABLES.  
21   
22 // WRITE STATEMENTS HERE TO DISPLAY THE REQUESTED INFORMATION.  
23   
24 return 0;

25 }

**Step 2:** Design and implement the icecream.cpp program so that it correctly meets the program specifications given below. You may find it helpful to use pseudocode to work out the program logic before you begin coding the program in C++.

|  |  |
| --- | --- |
| ***Specifications:***  The DeLIGHTful Ices Company sells delicious but low-cal “light” ice cream cones in 3 sizes and prices:  DeLIGHTful (1 scoop) 1.49  Double DeLIGHT (2 scoops) 2.49  Triple DeLIGHT (3 scoops) 3.49  Write a program that prompts the user to enter the number of each cone type sold that day, and then computes and displays a daily sales report that includes the following nicely formatted and labeled information.   * Number of cones sold of each type * Total sales $ of each type * Total number of cones sold * Total sales $ of all cones sold | ***Sample Run***  Number of single scoop cones sold: **220**  Number of double scoop cones sold: **414**  Number of triple scoop cones sold: **66**  DeLIGHTful cones 220 $ 327.80  Double DeLIGHT cones 414 $1030.86  Triple DeLIGHT cones 66 $ 230.34  Total 700 $1589.00 |