Worksheet for Chapter 7 program

Describe functionality of your program briefly.

What questions will you ask the user?

Create an example with all of the calculations.

How will you display the information to your user?

Draw a flow chart for your program.

Homework for Chapter 7

*For this assignment, you will make use of several string functions from the chapter and also make use of namespace. Most of the program has been attached; you need to fill in the boded parts.*

Upon completion of the program, hand in following items (in order) as a zipped file: program design (see above), coded program, and a picture of the runs. A copy of the run is provided.

The rubric is attached.

|  |  |  |  |
| --- | --- | --- | --- |
| Steps | | points | earned |
|  | |  |  |
| 3 strings are displayed on one line | | 12 |  |
| Display length of all 3 strings | | 12 |  |
| Concatenate first and last name | | 12 |  |
| List if the string is empty or not | | 12 |  |
| Use of replace function | | 12 |  |
| Calculation of wage | | 40 |  |
|  | |  |  |
|  | |  |  |
|  | |  |  |
| Total points:100 | Earned points: | | |

// This program will define 3 strings; It will make use of various string functions and the concept of namespace.

#include <iostream.h>

#include <stdlib.h>

#include <iomanip.h>

#include <string>

#include <**your include file’s full name**>

using namespace std;

using namespace **name of namespace from the above file**;

int main()

{

string first = "", second = "**your first name here**", third = "**your last name here**";

string new\_string;

int i;

double wage, hours;

// Displaying the string

**Display 3 strings in one line**

// string length

**Display the length of all 3 strings**

// put strings together in another variable and print it

**Concatenate your first name and last**

// empty string

**List if the string is empty or not**

// use of replace

**Use the REPLACE function for second string to say your first initial with your last name**

// use of namespace

cout << "\n\nWhat is your hourly wage? ";

cin >> wage;

cout << "\nHow many hours did you work? ";

cin >> hours;

// now call the program from the namespace

**Calculate the wage using the program from another file**

cout << "\n\nGood Bye..." << endl << endl;

system("PAUSE");

return 0;

} // end of main

The output should look like:

