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**Homework4\_1**

*a. Write a C++ program to compute*

**Code :**

#include<iostream>

using namespace std;

int main(){

cout << "Please input working time : ";

double hours;

cin >> hours;

if(hours < 0)

{

cout << "The time can not be negative, please reinput working time." << endl;

}

if(0<= hours && hours <= 40){

cout << "Wages = " << hours \* 12 << endl;

}

if(hours > 40){

cout << "Wages = " << 480 + ( (hours-40) \* 17 ) << endl;

}

return 0;

}

//This code is created by Hanlin Cai

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*b. How many runs should you make for the program written in Exercise 4a to verify that it’s operating correctly? What data should you input in each program run?*

Answer: I should run for **3** times

(1 for hours <0 ; 1 for 0 <= hours <= 40 ; 1 for hours > 40)

1st : input -10.

2nd: input 20.

3rd: input 50.