

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.