Started on	Monday, 19 August 2024, 10:30 AM
State	Finished
Completed on	Monday, 19 August 2024, 11:47 AM
Time taken	1 hour 17 mins
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Write a program to take value V and we want to make change for V Rs, and we have infinite supply of each of the denominations in Indian currency, i.e., we have infinite supply of { 1, 2, 5, 10, 20, 50, 100, 500, 1000} valued coins/notes, what is the minimum number of coins and/or notes needed to make the change.

Input Format:

Take an integer from stdin.

Output Format:

print the integer which is change of the number.

Example Input :

64

Output:

4

Explanaton:

We need a 50 Rs note and a 10 Rs note and two 2 rupee coins.

Answer: (penalty regime: 0 %)

```c
#include <stdio.h>


int main()
{
    int cost;
    scanf("%d",&cost);
    int coins[] = { 1, 2, 5, 10, 20,50, 100, 200, 2000 };
    int i;
    int c=0;
    for (i =8 ; i >= 0; i--) {
        while (cost >= coins[i]) {
            cost -= coins[i];

            c++;
        }
    }

    printf("%d",c);

}
```

	Input	Expected	Got	
✔	49	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

◄ Problem 5: Finding Complexity using counter method

Jump to...

2-G-Cookies Problem ►