Started on	Friday, 30 August 2024, 1:34 PM
State	Finished
Completed on	Friday, 20 September 2024, 1:44 PM
Time taken	21 days
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 V;
    scanf("%d", &V);

    int denominations[] = {1000, 500, 100, 50, 20, 10, 5, 2, 1};
    int count = 0;

    for (int i = 0; i < 9; i++) {
        if (V >= denominations[i]) {
            count += V / denominations[i];
            V = V % denominations[i];
        }
    }

    printf("%d\n", count);
    return 0;
}

```

	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 ▶