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Started on	Tuesday, 20 August 2024, 2:01 PM
State	Finished
Completed on	Tuesday, 20 August 2024, 2:12 PM
Time taken	11 mins 32 secs
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 %)

```
1 #include<stdio.h>
2 int main(){
3     int n;
4     int counter=0;
5     scanf("%d",&n);
6     while(n!=0){
7         if(n>=1000){
8             counter=counter+1;
9             n=n-1000;
10        }
11        else if(n>=500){
12            counter++;
13            n=n-500;
14        }
15        else if(n>=100){
16            counter++;
17            n=n-100;
18        }
19        else if(n>=50){
20            counter++;
21            n=n-50;
22        }
23        else if(n>=20){
24            counter++;
25            n=n-20;
26        }
27        else if(n>=10){
28            counter++;
29            n=n-10;
30        }
31        else if(n>=5){
32            counter++;
33            n=n-5;
34        }
35        else if(n>=2){
36            counter++;
37            n=n-2;
38        }
39        else if(n>=1){
40            counter=counter+1;
41            n=n-1;
42        }
43    }
44    printf("%d",counter);
45 }
46 }
```

	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](#)

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[2-G-Cookies Problem ▶](#)