CS23331-DAA-2024-CSE / 1-G-Coin Problem

1-G-Coin Problem

Started on	Friday, 29 August 2025, 1:39 PM
State	Finished
Completed on	Saturday, 30 August 2025, 7:25 PM
Time taken	1 day 5 hours
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

Question 1 | Correct   Mark 1.00 out of 1.00   ⚑ Flag question

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 a,b,count=0;
    scanf("%d",&a);
    if(a>=1000){
        b=a/1000;
        count+=b;
        a=a%1000;
    }
    if(a>=500){
        b=a/500;
        count+=b;
        a=a%500;
    }
    if(a>=100){
        b=a/100;
        count+=b;
        a=a%100;
    }
    if(a>=50){
        b=a/50;
        count+=b;
        a=a%50;
    }
    if(a>=20){
        b=a/20;
        count+=b;
        a=a%20;
    }
    if(a>=10){
        b=a/10;
```

```
32          count+=b;
33          a=a%10;
34      }
35 ▾   if(a>=5){
36          b=a/5;
37          count+=b;
38          a=a%5;
39      }
40 ▾   if(a>=2){
41          b=a/2;
42          count+=b;
43          a=a%2;
44      }
45 ▾   if(a>=1){
46          b=a;
47          count+=b;
48      }
49      printf("%d",count);
50 }
```

	Input	Expected	Got	
✔	49	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Finish review

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