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

1-G-Coin Problem

Started on	Wednesday, 20 August 2025, 8:45 AM
State	Finished
Completed on	Wednesday, 20 August 2025, 8:59 AM
Time taken	13 mins 49 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

Explanation:

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 ind(int n,int a[9]){
3     int i=0;
4     while(n>=a[i]){
5         i++;
6     }
7     return a[i-1];
8 }
9 int main(){
10    int n;
11    scanf("%d",&n);
12    int a[9]={1,2,5,10,20,50,100,500,1000};
13    int c=0;
14    int b;
15    c++;
16    while(n>9){
17        c++;
18        b = ind(n,a);
19        c++;
20        n-=b;
21    }
22    printf("%d",c);
23    return 0;
24 }
```

	Input	Expected	Got	
✓	49	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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