1-G-Coin Problem

Started on	Thursday, 28 August 2025, 8:41 AM
State	Finished
Completed on	Thursday, 28 August 2025, 8:47 AM
Time taken	6 mins
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 n;
    scanf("%d",&n);
    int nums[10]={1,2,5,10,20,50,100,500,1000};
    int sum=0,count=0;
    for(int i=8;i>=0;i--){
        if(n>nums[i]){
            sum+=nums[i];
            count++;
            n=sum;
        }
    }
    printf("%d",count);
    return 0;
}
```

	Input	Expected	Got	
✔	49	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Finish review

Back to Course