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

1-G-Coin Problem

Started on	Tuesday, 19 August 2025, 12:51 PM
State	Finished
Completed on	Tuesday, 19 August 2025, 1:00 PM
Time taken	9 mins 3 secs
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,c=0;;
    scanf("%d",&n);
        int b[]={1, 2, 5, 10, 20, 50, 100, 500,1000};
        while(n!=0){
            for(int i=8;i>=0;i--){
                if(b[i]<=n){
                    c+=n/b[i];
                    n=n%b[i];
                }
            }
        }
        printf("%d",c);
}
```

	Input	Expected	Got	
✔	49	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Finish review

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