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Started on	Sunday, 25 August 2024, 5:58 PM
State	Finished
Completed on	Sunday, 25 August 2024, 6:03 PM
Time taken	4 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 Coins[] = { 1, 2, 5, 10, 20, 50, 100, 500, 1000};
3  int G_coin(int coin){
4      int size = sizeof(Coins)/sizeof(Coins[0]);
5      int count = 0;
6      int i=size-1;
7      while(coin){
8          if(coin>=Coins[i]){
9              count+=coin /Coins[i];
10             coin %= Coins[i];
11         }
12         else{
13             i--;
14         }
15     }
16     return count;
17 }
18
19 int main(){
20     int coin;
21     scanf("%d",&coin);
22     int totalCoins = G_coin(coin);
23     printf("%d",totalCoins);
24     return 0;
25 }
26 }
```

	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

Jump to...

2-G-Cookies Problem ▶