Started on	Thursday, 22 August 2024, 10:11 AM
State	Finished
Completed on	Thursday, 22 August 2024, 10:16 AM
Time taken	5 mins 5 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 main() {
 3      int V;
 4      scanf("%d", &V);
 5      int denominations[] = {1000, 500, 100, 50, 20, 10, 5, 2, 1};
 6      int n = sizeof(denominations) / sizeof(denominations[0]);
 7      int count = 0;
 8      for (int i=0;i<n;i++) {
 9          while (V >= denominations[i]) {
10              V -= denominations[i];
11              count++;
12          }
13      }
14      printf("%d",count);
15      return 0;
16  }
```

	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 ►