



Started on Sunday, 24 August 2025, 10:05 AM

State Finished

Completed on Sunday, 24 August 2025, 10:24 AM

Time taken 19 mins 18 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
3 int main(){
4     int denominations[] = {1,2,5,10,20,50,100,500,1000};
5     int v;
6     int count = 0;
7     scanf("%d", &v);
8     for(int i=8; i>=0; i--){
9         int coin = denominations[i];
10        while (v>=coin){
11            v -= coin;
12            count++;
13        }
14    }
15    printf("%d", count);
16 }
```

	Input	Expected	Got	
✓	49	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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