



**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 denominators[]={1000,500,100,50,20,10,5,2,1};
6      int n = sizeof(denominators)/sizeof(denominators[0]);
7      int count=0;
8      for(int i=0;i<n;i++){
9          while(v>=denominators[i]){
10             v-=denominators[i];
11             count++;
12         }
13     }
14     printf("%d\n",count);
15     return 0;
16 }
```

	Input	Expected	Got	
✓	49	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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