



THIVYASRI T 2024-CSE ▾

T2

Started on	Wednesday, 20 August 2025, 8:52 AM
State	Finished
Completed on	Wednesday, 20 August 2025, 9:06 AM
Time taken	13 mins 45 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 min_coins(int value) {
4      int denominations[] = {1000, 500, 100, 50, 20, 10, 5, 2, 1};
5      int n = sizeof(denominations) / sizeof(denominations[0]);
6
7      int count = 0;
8      for (int i = 0; i < n; i++) {
9          if (value >= denominations[i]) {
10             count += value / denominations[i];
11             value = value % denominations[i];
12         }
13     }
14     return count;
15 }
16
17 int main() {
18     int V;
19     scanf("%d", &V);
20     printf("%d\n", min_coins(V));
21     return 0;
22 }
23
24

```

	Input	Expected	Got	
✓	49	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

[Back to Course](#)