

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

Explanation:

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 }
```

	Input	Expected	Got	
✓	49	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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