



SIVA S 2024-CSE

S2

Started on Wednesday, 8 October 2025, 3:55 PM**State** Finished**Completed on** Wednesday, 8 October 2025, 3:55 PM**Time taken** 31 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 main() {
4     int V;
5     scanf("%d", &V);
6
7     int denominations[] = {1000, 500, 100, 50, 20, 10, 5, 2, 1};
8     int count = 0;
9
10    for (int i = 0; i < 9; i++) {
11        while (V >= denominations[i]) {
12            V -= denominations[i];
13            count++;
14        }
15    }
16
17    printf("%d\n", count);
18    return 0;
19}
20
```

	Input	Expected	Got	
✓	49	5	5	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00.

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