



Started on Monday, 18 August 2025, 8:55 PM

State Finished

Completed on Monday, 18 August 2025, 8:58 PM

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

```
10     note_count += value / denominations[i];
11     value %= denominations[i];
12 }
13 printf("%d\n", note_count);
14
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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