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

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**State** Finished

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

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**Time taken** 3 mins 12 secs

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**Marks** 1.00/1.00

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**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 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         if (value >= denominations[i]) {
10             note_count++;
11             value -= denominations[i];
12         }
13     }
14 }
```

```
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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