RAJALAKSHMI ENGINEERING COLLEGE

🔔⁷ **JAYARAMAN S 2024-CSE** ˅   **J2**

Started on	Friday, 19 September 2025, 1:53 PM
State	Finished
Completed on	Friday, 19 September 2025, 1:55 PM
Time taken	1 min 45 secs
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

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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 %)

```c
#include <stdio.h>

int main() {
    int denominations[] = {1000, 500, 100, 50, 20, 10, 5, 2, 1};
    int n = sizeof(denominations) / sizeof(denominations[0]);
    int V, count = 0;

    scanf("%d", &V);

    for (int i = 0; i < n; i++) {
        while (V >= denominations[i]) {
            V -= denominations[i];
            count++;
        }
    }

    printf("%d\n", count);
    return 0;
}
```

	Input	Expected	Got	
✔	49	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

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