1-G-Coin Problem

Started on	Friday, 22 August 2025, 1:32 PM
State	Finished
Completed on	Sunday, 31 August 2025, 3:51 PM
Time taken	9 days 2 hours
Marks	1.00/1.00
Grade	**10.00** out of 10.00 (**100**%)

Question 1 Correct Mark 1.00 out of 1.00 Flag question

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 %)

```c
#include <stdio.h>

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

    scanf("%d", &V);

    for (i = 0; i < n; i++) {
        if (V >= coins[i]) {
            count += V / coins[i];
            V %= coins[i];
        }
    }

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

	Input	Expected	Got	
✔	49	5	5	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Finish review

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Data retention summary