Assignments 1 (CSE1002)

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Assignment 1-1

Problem

If Give an integer N . Write a program to obtain the sum of the first and last digits of this number.

Input

The first line contains an integer T, the total number of test cases. Then follow T lines, each line contains an integer N.

Output

For each test case, display the sum of first and last digits of N in a new line.

Constraints

- 1 ≤ T ≤ 1000
- 1 ≤ N ≤ 1000000

Input

```
3
1234
124894
242323
```

output

5

5

5

12:23

Your code has Passed Execution!

```c
#include <stdio.h>

int summ(int x)
{
    int first, last;
    last = x % 10;
    while (x > 0)
    {
        first = x%10;
        x=x/10;
    }

    return (first + last);
}


int main()
{
    int n;
    int arr[n];
    scanf("%d",&n);
    for (int i = 0; i < n; i++)
    {
        scanf("%d", &arr[i]);
    }


    for (int i = 0; i < n; i++)
    {
        printf("%d\n",summ(arr[i]));
    }
    return 0;
}
```

12:23

Assignment 1

Pooja would like to withdraw **x** $US from an ATM. The cash machine will only accept the transaction if **x** is a multiple of 5, and Pooja's account balance has enough cash to perform the withdrawal transaction (including bank charges). For each successful withdrawal the bank charges 0.50 $US. Calculate Pooja's account balance after an attempted transaction.

Input

Positive integer 0 < **x** <= 2000 - the amount of cash which Pooja wishes to withdraw.

Nonnegative number 0<= Y <= 2000 with two digits of precision - Pooja's initial account balance.

Output

Output the account balance after the attempted transaction, given as a number with two digits of precision. If there is not enough money in the account to complete the transaction, output the current bank balance.

Example - Successful Transaction

```
Input:
30 120.00

Output:
89.50
```

Example - Incorrect Withdrawal Amount (not multiple of 5)

```
Input:
42 120.00

Output:
120.00
```

Example - Insufficient Funds

```
Input:
300 120.00

Output:
120.00
```

12:24

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Your code has passed Execution

```c
#include <stdio.h>

int main()
{
    int withdraw;
    float balance;
    scanf("%d %f", &withdraw, &balance);
    if (withdraw > 0 && withdraw <= 2000 && balance > 0 && balance <= 2000)
    {
        if (withdraw % 5 == 0 && (withdraw + 0.5) <= balance)
        {
            printf("%.2f", balance - withdraw - 0.5);
        }
        else
        {
            printf("%.2f", balance);
        }
    }
    return 0;
    // @the_calc_eject_48
}
```

Save | Pause Test

Submit Code

12:25

Status: