C# Tasks

Task1: **N** seconds have passed since the beginning of the day. Print what the electronic clock shows.

Input

3602

Output

1:00:02

Input

129700

Output

12:01:40

Task2: The biscuit costs a somoni and b diram. Shamsiddin paid for it c somoni and d diram. How much change does he get?

Input

2
17
2
18

Output

0 1

Task3: A company decided to give bonus of 5% to employee if his/her year of service is more than 5 years. Ask user for their salary and year of service and print the net bonus amount. Create a method to perform the task.

Input

-

Output

-

Task4: Given the natural numbers n and k, calculate the value $C_n^k = \frac{n!}{k!(n-k)!}$.

Input

2
1

Output

1

Task5. Write a function double SumOfFactorial(int n) to return the sum 1/0!+1/1!+1/2!+1/3!+...+1/N! for the given number of n.

Input

1

Output

```
2
```

Task6. Given a positive number of n. Print

1. The number of even numbers**. (int EvenCount(int n);)**
2. The number of odd numbers **(int OddCount(int n));**
3. The number of digits. **(int DigitCount(int n));**
4. Sum of digits. **(int SumDigit(int n));**

```
Using function.
```

Task7: Given an array. Determine how many elements in this array that are strictly greater than both of their neighbors.

Input

```
7
5 3 1 2 5 4 3
```

Output

```
1
```

Task8: Given an array. Rearrange the array elements in reverse order using Array.**Sort** and Array.**reverse** functions. The program must read the array, change the order of its elements, display the result on the screen (just displaying the elements of the array in reverse order is not enough!).

Input

```
5
4 3 1 2 5
```

Output

```
5 4 3 2 1
```

Task9: Given an array of integers. Print the **index** of the largest element in the array.

Input

```
5
1 2 3 4 5
```

Output

```
4
```

Task10: Given an array of integers. Print the small element in the array.

Input

```
5
1 2 3 4 5
```

Output

```
1
```

Task11: Given an array of integers. Print the largest element in the array.

Input

```
5
1 2 3 4 5
```

Output

```
5
```

Task12: Given an array of integers. Write a program that determines how many times a given number x occurs in a given array.

Input

```
5
1 2 3 4 5
3
```

Output

```
1
```

Task13: Given an array of integers. Write a program that determines if a given number x occurs in a given array.

Input

```
5
1 2 3 4 5
3
```

Output

```
YES
```