

QUESTION BANK DOCKET

**Table of Contents**

[1 Source 2](#_Toc253285289)

[2 Category 3](#_Toc965934774)

[3 Tech Area 3](#_Toc613746458)

[4 Complexity 3](#_Toc904143571)

[5 Question 3](#_Toc1426514880)

[6 Answer 3](#_Toc441207452)

[7 References 3](#_Toc1838997797)

# Source

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Code Byte

# Category

Coding

# Tech Area

C#

# Complexity

Simple

# Question

### **1)** First Factorial

Have the function FirstFactorial(**num**) take the **num** parameter being passed and return the factorial of it. For example: if **num** = 4, then your program should return **(4 \* 3 \* 2 \* 1)** = 24. For the test cases, the range will be between 1 and 18 and the input will always be an integer.

#### Examples

Input: 4  
Output: 24

Input: 8  
Output: 40320

**Answer :**

using System;

class MainClass {

  public static int FirstFactorial(int num) {

    int fact = 1;

     for(int i = num; i > 0; i -- )

     {

      // code goes here

        fact = fact \* i;

     }

    return fact ;

  }

  static void Main() {

    // keep this function call here

    Console.WriteLine(FirstFactorial(Console.ReadLine()));

  }

}

# References

https://coderbyte.com/editor/First%20Factorial:Csharp?utm\_campaign=NewHomepage

**Question 2**

### First Reverse

Have the function FirstReverse(**str**) take the **str** parameter being passed and return the string in reversed order. For example: if the input string is "Hello World and Coders" then your program should return the string **sredoC dna dlroW olleH**.

#### Examples

Input: "coderbyte"  
Output: etybredocInput: "I Love Code"  
Output: edoC evoL I

**Answer :**

using System;

class MainClass {

  public static string FirstReverse(string str) {

      string rev ="";

      int len;

      len = str.Length - 1;

      while (len >= 0) {

         rev = rev + str[len];

         len--;

      }

    return rev;

  }

  static void Main() {

    // keep this function call here

    Console.WriteLine(FirstReverse(Console.ReadLine()));

  }

}

# References

https://coderbyte.com/editor/First%20Reverse:Csharp

**Question 3**

##### **How to check if a given number is prime or not in C#?**

**Answer:**

**using** *System;*

**namespace** *LogicalPrograms*

**{**

**public** **class** Program

**{**

**static** **void** Main**(string[]** args**)**

**{**

Console.Write**(**"Enter a Number : "**)**;

**int** number = **int**.Parse**(**Console.ReadLine**())**;

**bool** IsPrime = **true**;

**for** **(int** i = 2; i **<** number/2; i++**)**

**{**

**if** **(**number % i == 0**)**

**{**

IsPrime = **false**;

**break**;

**}**

**}**

**if** **(**IsPrime**)**

**{**

Console.Write**(**"Number is Prime."**)**;

**}**

**else**

**{**

Console.Write**(**"Number is not Prime."**)**;

**}**

Console.ReadKey**()**;

**}**

**}**

**}**

**Output:**

Prime Numbers in C#

# References

**https://dotnettutorials.net/lesson/prime-numbers-in-csharp/**

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| --- |
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**Question 4**

##### Write a C# program to find the given number is **Disarium number or not**

**using** *System;*

**public** **class** Program

**{**

**public** **static** **void** Main **()**

**{**

Console.WriteLine **(**"Input a number"**)**;

**int** num = Convert.ToInt32 **(**Console.ReadLine **())**;

**string** numStr = num.ToString **()**;

**int** length = numStr.Length;

**int** divide = 0, sum = 0, copy = num;

**while** **(**copy **>** 0**)**

**{**

divide = copy % 10;

sum = sum + **(int)** Math.Pow **(**divide, length**)**;

length--;

copy = copy / 10;

**}**

**if** **(**sum == num**)**

Console.WriteLine **(**"Disarium Number."**)**;

**else**

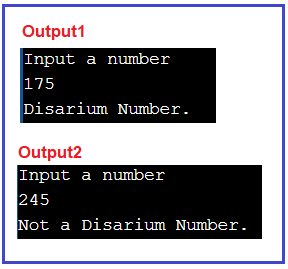
Console.WriteLine **(**"Not a Disarium Number."**)**;

Console.ReadLine **()**;

**}**

**}**

###### **Output:**



# References : https://dotnettutorials.net/lesson/disarium-number-in-csharp/

**Question 5 : Write a C# Programe to find sum of Odd number from 1 to n .**

**using** *System;*

**namespace** *DotNetTutorials*

**{**

**class** SumOfOddNumbers

**{**

**static** **void** Main**(string[]** args**)**

**{**

**int** sum = 0, i = 1;

Console.Write**(**"Enter value a Number:"**)**;

**int** Number = Convert.ToInt32**(**Console.ReadLine**())**;

**while** **(**i **<**= Number**)**

**{**

sum += i;

i += 2;

**}**

Console.Write**(**$"Sum of Odd numbers from 1 to {Number} is : {sum}"**)**;

Console.ReadLine**()**;

**}**

**}**

**}**

###### **Output:**

**How to Find the sum of odd numbers from 1 to N in C# with Examples**

**Question 6 : Write a C# program to convert  Celsius to Fahrenheit**

**using** *System;*

**class** CelsiusToFahrenheit

**{**

**static** **void** Main**()**

**{**

**float** celsius = 36;

Console.WriteLine**(**"Temperature in celsius is: " + celsius**)**;

**float** fahrenheit = **((**celsius \* 9**)** / 5**)** + 32;

Console.WriteLine**(**"Temperature in Fahrenheit is: " + fahrenheit**)**;

Console.ReadKey**()**;

**}**

**}**

###### **Output:**

Convert Celsius to Fahrenheit in C#