

```

using System;
namespace Demo
{
    public class Program
    {
        public void primeOrNot(int n)
        {
            int flag=0,c=0;
            if(n==1)
            {
                Console.WriteLine($"{n} is a Non-Prime Number\nFactor : {n}\nNumber of Factors : 1");
                return;
            }
            for(int i=2;i<=n/2;i++)
            {
                if(n%i==0)
                {
                    if(flag==0)
                    {
                        Console.Write($"*****\n{n} is a Non-Prime Number\nFactors : 1\t{i}\t");
                        flag=1;
                    }
                    else
                    {
                        Console.Write($"{i}\t");
                    }
                    c++;
                }
            }
            if(flag==1)
            {
                Console.WriteLine($"{n}\nNumber of Factors : {c+2}");
            }
        }
    }
}

```

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    }  
    else  
    {  
        Console.WriteLine($"*****\n{n} is a Prime Number");  
    }  
}  
public static void Main(string[] args)  
{  
    Console.WriteLine("Enter the Number : ");  
    int n = int.Parse(Console.ReadLine());  
    Program p=new();  
    p.primeOrNot(n);  
}  
}
```