TASK 1:

```csharp
using System;
using System.Text.RegularExpressions;

0 references
class Program
{
    0 references
    static void Main()
    {
        Console.Write("Enter password: ");
        string password = Console.ReadLine();

        if (IsValidPassword(password))
        {
            Console.WriteLine("Password is valid.");
        }
        else
        {
            Console.WriteLine("Password is invalid.");
        }
    }

    1 reference
    static bool IsValidPassword(string password)
```

```csharp
        else
        {
            Console.WriteLine("Password is invalid.");
        }
    }

    1 reference
    static bool IsValidPassword(string password)
    {

        if (password.Length > 12)
            return false;


        string pattern = @"^(?=.*[A-Z])(?=(?:[^a-z]*[fajar]){4,})(?=(?:[^!@#$%^&*()_+={}[\]:;<>,.?

        return Regex.IsMatch(password, pattern);
    }
}
// passsword :31Fa@ja#r
```

OUTPUT:

```
Microsoft Visual Studio Debu   ✕   +   ∨
Enter password: 31Fa@ja#r
Password is valid.
```