Azure development
Azure SDKs, tools, and projects for developing cloud apps and creating resources using .NET and .NET Framework....

Installation details

✓ .NET desktop development tools

https://visualstudio.microsoft.com/vs/community/

install the c#, dot net related packages



Web & Cloud (4)

ASP.NET and web development

Build web applications using ASP.NET Core, ASP.NET, HTML/JavaScript, and Containers including Docker supp...

```
✓ .NET Framework 4.7.2 development tools

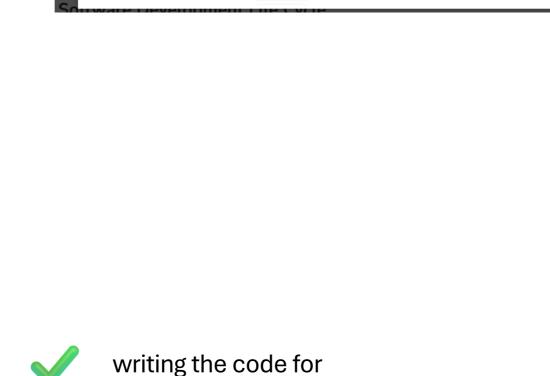
✓ C# and Visual Basic

                                                                                                                                                              ▼ Optional
                                                                                    Node is development
                                                                                                                                                                ✓ Development tools for .NET
              Editing, debugging, interactive development and source
                                                                                     Build scalable network applications using Node.js, an
                                                                                                                                                                 ✓ .NET Framework 4.8 development tools
              control for Python
                                                                                      asynchronous event-driven JavaScript runtime.
                                                                                                                                                                 ✓ Entity Framework 6 tools

    NET profiling tools

                                                                                                                                                                 ✓ IntelliCode
   Desktop & Mobile (5)
                                                                                                                                                                 ✓ Just-In-Time debugger
                                                                                                                                                                 ✓ Live Share
       .NET Multi-platform App UI development
Build Android, iOS, Windows, and Mac apps from a single
                                                                              .NET desktop development
Build WPF, Windows Forms, a
                                                                                                                                                                 ✓ ML.NET Model Builde
                                                                                     Build WPF, Windows Forms, and console applications
                                                                                                                                                                 ✓ GitHub Copilot
               codebase using C# with .NET MAUI.
                                                                                     using C#, Visual Basic, and F# with .NET and .NET Frame..
                                                                                                                                                                 ✓ Blend for Visual Studio
                                                                                                                                                                           Remove out-of-support compone
    C:\Program Files\Microsoft Visual Studio\2022\Community
    By continuing, you agree to the license for the Visual Studio edition you selected. We also offer the ability to download other software with Visual
    Studio. This software is licensed separately, as set out in the 3rd Party Notices or in its accompanying license. By continuing, you also agree to those
                                                                                                                                                                         Install while downloading 
Close
Password generator Application. - Project
```

```
Preparation of the tea. step by step
   process-Project done in kitchen.
   1.Plan-4, Estimate sugar, teapoweder
   ,milk,stove ,glassed ,15min ,Start , End
   2. 2 sppons of tea poweder
   3. 4 spoons of sugar
  4.Milk, water
  5.Stove on
   6.after some time tea taste see and makes
   confirm tea is done
  7.Stove off
  8. Serve to glasses
  9.End
Software Developement Life cycle
https://www.geeksforgeeks.org/software-
```



Application of password

generator

1.Start

2. plan

3.define

4.design

6.test

8.End

//Datetime use

Console.WriteLine("

//Random function use

5.build, c# codeing

7.Deployment

SDLC

Building

development-life-cycle-sdlc/

Testing

```
Display Date and Password.
// See https://aka.ms/new-console-template for more information
//Random function use
```

//we are generating password

DateTime currentDate = DateTime.Now;

```
Console.WriteLine(" Current Date: " + currentDate.ToString("d"));
        Console.WriteLine("....");
        Random random = new Random();
        int randomIntInRangeValue = random.Next(1000, 100000);
        Console.WriteLine("");
        Console.WriteLine("
                                Password value is "+ randomIntInRangeValue);
        Console.WriteLine("");
        Console.WriteLine("");
        Console.WriteLine("");
        Console.WriteLine("");
        Console.WriteLine("");
        Console.ReadLine();
©:\ C:\Users\mail4\source\repos\ X
                Welcome to password generator
                Current Date: 12/31/2024
                Password value is 94147
```

//Admin has to give one password every time, instead of manual thinking

Welcome to password generator");

```
Features we are going to add
1. Two passwords to be generated
2. The ability to generate anther password if required.
3. Password should be a alphanumeric, with length 8, it should contain one Number,
Capital letter and Small letters.
  C:\Users\mail4\source\repos\ X
                   Welcome to password generator
                   Current Date: 12/31/2024
                   Password value is 26707
```

Password value is 79684

Code: // See https://aka.ms/new-console-template for more information

//Admin has to give one password every time, instead of manual thinking

Console.WriteLine(" Current Date: " + currentDate.ToString("d"));

Console.WriteLine(".....");

int randomIntInRangeValue = random.Next(1000, 100000);

Welcome to password generator");

//Random function use

Console.WriteLine("

//Random function use

for (int i = 0; i < 2; i++)

//Random function use

Console.WriteLine("

Console.Read();

Console.Read();

//we are generating password

//Datetime use

//we are generating password

DateTime currentDate = DateTime.Now;

Random random = new Random();

//Datetime use

1. every time user has to open and close application to generate the password.

There are some draw backs of this application.

```
Console.WriteLine("");
      Console.WriteLine("
                                   Password value is " + randomIntInRangeValue);
    Console.WriteLine("");
    Console.WriteLine("");
    Console.WriteLine("");
    Console.WriteLine("");
    Console.WriteLine("");
    Console.ReadLine();
               Welcome to password generator
               Current Date: 12/31/2024
               Password value is 72809
               Password value is 16361
Do you want to generate password , Press 1 to generate
Password is generating please wait
               Password value is 22222
               Password value is 86748
code: // See https://aka.ms/new-console-template for more information
```

```
//Random function use
DateTime currentDate = DateTime.Now;
Console.WriteLine(" Current Date: " + currentDate.ToString("d"));
Console.WriteLine(".....");
GeneratePassword();
void GeneratePassword()
 Random random = new Random();
 for (int i = 0; i < 2; i++)
   int randomIntInRangeValue = random.Next(1000, 100000);
   Console.WriteLine("");
                       Password value is " + randomIntInRangeValue);
   Console.WriteLine("
 Console.WriteLine("");
 Console.WriteLine("");
 Console.WriteLine("");
 Console.WriteLine("");
 Console.WriteLine("");
Console.WriteLine("Do you want to generate password, Press 1 to generate");
int UserInput = Console.Read();
Console.WriteLine(UserInput);
if(Convert.ToChar(UserInput) == 49)
 Console.WriteLine("Password is generating please wait");
 GeneratePassword();
```

Console.WriteLine("Do you want to generate password, Press 1 to generate");

//Admin has to give one password every time, instead of manual thinking

Welcome to password generator");