

Documentation for VB.NET Console Application

Introduction

This document provides instructions for creating a simple VB.NET console application that displays the message "Hello, World!" and the current time to the user. The application is built using Visual Studio, a popular Integrated Development Environment (IDE) for .NET development.

Prerequisites

- **Visual Studio:** Ensure that Visual Studio is installed on your computer. You can download it from the [official Visual Studio website](https://visualstudio.microsoft.com/).

Steps to Create the Application

1. Open Visual Studio

1. Launch Visual Studio.

2. Create a New Project

1. In the **Start Window**, click on **Create a new project**.

Visual Studio 2022

Open recent

- Today
- This week
- This month
- Older

Get started



Clone a repository

Get code from an online repository like GitHub or Azure DevOps



Open a project or solution

Open a local Visual Studio project or .sln file



Open a local folder

Navigate and edit code within any folder



Create a new project

Choose a project template with code scaffolding to get started

[Continue without code](#) →

2. In the **Create a new project** dialog, search for **Console App**.

Create a new project

Recent project templates

- Windows Forms App (.NET Framework) Visual Basic
- Console App Visual Basic
- Console App C#

console app

Clear all

All languages

All platforms

All project types

Visual Basic

Console App (.NET Framework)

A project for creating a command-line application

C# Windows Console

3. Select **Console App** (ensure it's in VB.NET) and click **Next**.

3. Configure Your Project

1. In the **Configure your new project** dialog:
 - o Enter a **Project name** (e.g., HelloWorldApp).
 - o Choose a **Location** where the project will be saved.
 - o Optionally, you can provide a **Solution name**.

Configure your new project

Console App C# Linux macOS Windows Console

Project name

HelloWorld

Location

[Redacted]

Solution name ⓘ

HelloWorld

☐ Place solution and project in the same directory

2. Click **Create**.

4. Write the Code

1. Visual Studio will create a new project with a default Module1.vb file (or Program.vb in some cases).
2. Locate the Module1.vb file in the Solution Explorer. It should open automatically.
3. Replace the existing code with the following code:

```
Module Module1
    Sub Main()
        ' Display a message to the console
        Console.WriteLine("Hello, World!")

        ' Display the current time
        Console.WriteLine("Current Time: " & DateTime.Now.ToString("hh:mm:ss tt"))
    End Sub
End Module
```

- **Explanation:**

- Module Module1: Defines a module named Module1.
- Sub Main(): The entry point of the application. The execution starts here.
- Console.WriteLine("Hello, World!"): Prints "Hello, World!" to the console.
- DateTime.Now: Retrieves the current date and time.
- ToString("hh:mm:ss tt"): Displays the current time in the format "hh:mm AM/PM".

5. Run the Application

1. Click on the **Start** button (green arrow) or press F5 to build and run the application.
2. The console window should open displaying the message "Hello, World!".
3. Press any key to close the console window.

Conclusion

Congratulations! You've successfully created and run a "Hello, World!" console application in VB.NET that also displays the current time. This is the foundation of learning VB.NET programming, and you can now explore more advanced concepts and features.