LisaCore Code Processor

User Manual

# Overview

LisaCore Code Processor .NET library provides a powerful and flexible way to execute C# code at runtime. With the ability to add references, import namespaces, and execute code with optional callbacks, this library is a valuable tool for developers looking to add dynamic code execution capabilities to their applications.

# Requirements

.NET Core 3.1 or later

# Getting Started

## Install the library

To use the CodeProcessor library, first, add a reference to the library in your project.

## Initialize CodeProcessor

Create an instance of the CodeProcessor class:

Logo

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## Add references and namespaces

Add the necessary assembly references and namespaces for your code. By default, some common namespaces are already imported.

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## Execute code

Execute C# code snippets by calling the ExecuteAsync method:

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# Advanced Usage

### Callbacks

You can also provide a callback function to process the result of the executed code:

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# Code validation

To check whether a code snippet is valid without executing it, call the IsCodeValid method:

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# Examples

## Basic arithmetic operation

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## Using LINQ

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## Custom class

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## Using DbContext for database operations

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## Custom Function

### Create a new class with the custom function:

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### Add a reference to the assembly containing the custom function and the namespace in the CodeProcessor:

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### Your code can reference and use the custom function:

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