



Mobile



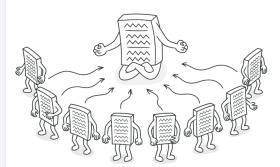
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Criação de um único objeto de conexão a um banco de dados, evitando abertura de conexões desnecessárias.

Singleton

Q Search

O padrão Singleton garante que uma classe tenha apenas uma instância e fornece um ponto global de acesso a ela.



Aplicabilidade (Quando Utilizar):

• Quando deve existir exatamente uma instância de uma classe e ela deve estar acessível aos clientes a partir de um ponto de acesso global conhecido.

Componentes: Esse padrão é composto por apenas uma classe

- O atributo UniqueInstance contém a única instância de Singletor
- O método GetInstance() é estático, o que significa que é um método de classe, então pode ser acessado a partir de qualquer lugar do código utilizando Singleton.GetInstance();

Diagrama de Classe:



Interface:

```
namespace DesignPatterns.Criacionals.Singleton;

public interface iConexao
{
    List<object>? ExecuteQuery(string query);
}
```

Classe Concreta:

```
namespace DesignPatterns.Criacionais.Singleton;

public class MySql : IConexao
{
    private static MySql Instance;
    public string Host ( get; set; )
    public string Pass ( get; set; )
    public string Dass ( get; set; )

private MySql)
{
    Host = "Siring de conexăo";
    User = "pediroslva";
    Pass = "pediroslva";
    Pass = "pediroslva";
    }

public List<object>? ExecuteQuery(string query)
{
        Console Mr:teLine($^Aquery in (query) \underset of executada com sucesso");
        return null;
    }

public string ToString()
{
    var json = $^*((\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{VHost}\underset*\underset{\underset}\underset{\underset}{\underset}\underset{\underset}\underset{\underset}{\underset}\underset{\underset}\underset{\underset}\underset{\underset}{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\underset{\underset}{\underset}\under
```

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