





using System;

using System.Data;

using MySql.Data.MySqlClient;

using Npgsql;

class Program

{

    static void Main(string[] args)

    {

        string dbType = "postgresql"; *// Change to "mysql" for MySQL*

        IDbConnection dbConnection = null;

        if (dbType == "mysql")

        {

            string mysqlConnString = "Server=localhost;Database=mydb;User Id=myuser;Password=mypassword;";

            dbConnection = new MySqlConnection(mysqlConnString);

        }

        else if (dbType == "postgresql")

        {

            string pgsqlConnString = "Host=localhost;Database=mydb;Username=myuser;Password=mypassword;";

            dbConnection = new NpgsqlConnection(pgsqlConnString);

        }

        try

        {

            dbConnection.Open();

            Console.WriteLine("Database connection successful!");

*// Sample query*

            IDbCommand command = dbConnection.CreateCommand();

            command.CommandText = "SELECT \* FROM mytable";

            IDataReader reader = command.ExecuteReader();

            while (reader.Read())

            {

                Console.WriteLine($"Row: {reader[0]}, {reader[1]}");

            }

        }

        catch (Exception ex)

        {

            Console.WriteLine($"An error occurred: {ex.Message}");

        }

        finally

        {

            dbConnection?.Close();

        }

    }

}