

Lab 3: Using EF Core CLI to Create and Apply Migrations

Code:

```
using System;  
using System.Threading.Tasks;  
using lab2; // Make sure this matches the namespace of AppDbContext
```

```
class Program  
{  
    static async Task Main(string[] args)  
    {  
        using var context = new AppDbContext();  
  
        // Ensure database is created  
        bool created = await context.Database.EnsureCreatedAsync();  
  
        if (created)  
        {  
            Console.WriteLine(" Database created successfully.");  
        }  
        else  
        {  
            Console.WriteLine(" Database already exists.");  
        }  
    }  
}  
  
<Project Sdk="Microsoft.NET.Sdk">
```

```
<PropertyGroup>
```

```
<OutputType>Exe</OutputType>

<TargetFramework>net8.0</TargetFramework>

<ImplicitUsings>enable</ImplicitUsings>

<Nullable>enable</Nullable>

</PropertyGroup>


<ItemGroup>

  <PackageReference Include="Microsoft.EntityFrameworkCore" Version="9.0.6" />

  <PackageReference Include="Microsoft.EntityFrameworkCore.SqlServer"
Version="9.0.6" />

  <PackageReference Include="Microsoft.EntityFrameworkCore.Tools"
Version="9.0.6">

    <PrivateAssets>all</PrivateAssets>

    <IncludeAssets>runtime; build; native; contentfiles; analyzers;
buildtransitive</IncludeAssets>

  </PackageReference>

  <PackageReference Include="Microsoft.Extensions.Configuration" Version="9.0.6" />

  <PackageReference Include="Microsoft.Extensions.Configuration.Json"
Version="9.0.6" />

</ItemGroup>


<ItemGroup>

  <ProjectReference Include="..\lab2\lab2.csproj" />

</ItemGroup>

</Project>
```

Output:

```
1  select * from Categories;
2  select * from Products;
```

100 % No issues found

Results Messages

Id	Name
----	------

Id	Name	Price	CategoryId
----	------	-------	------------

Query executed successfully. (localdb)\MSSQLLoc