

Lesson1 - Get the application source code

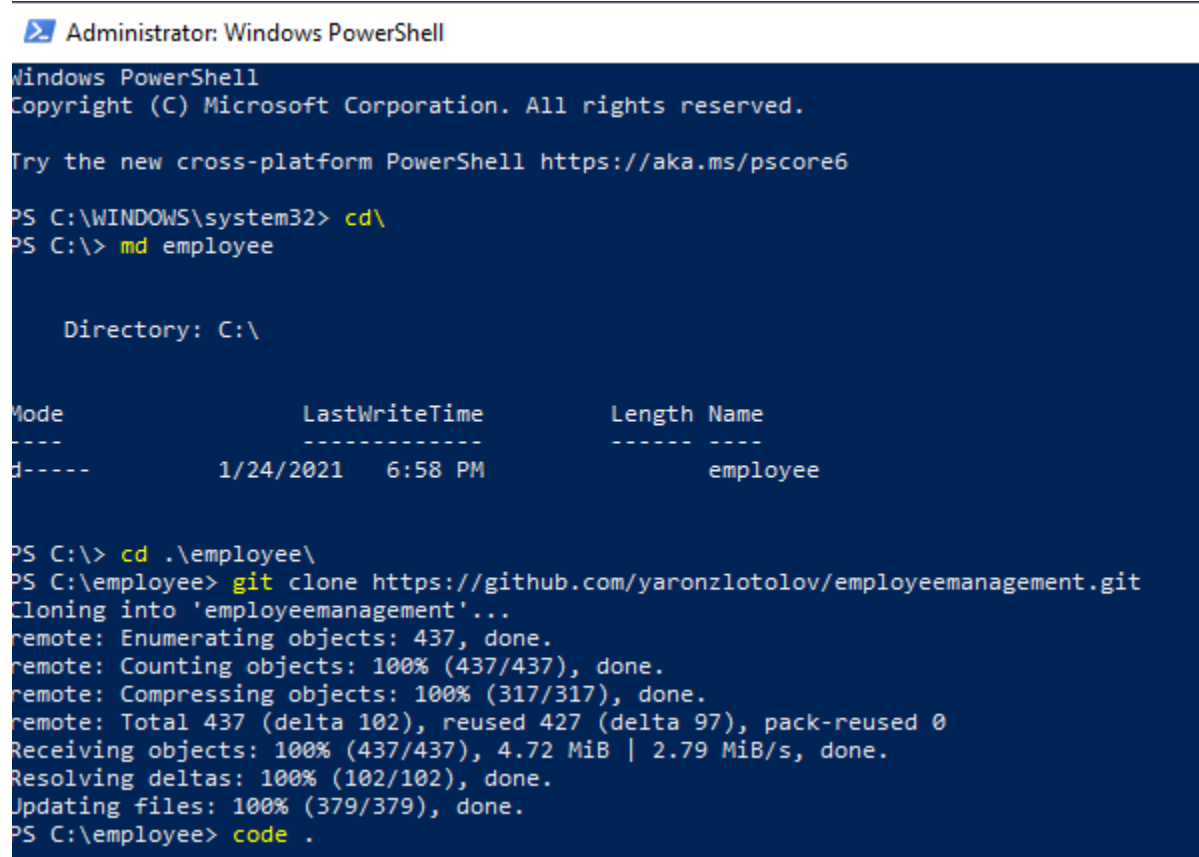
Open PowerShell (Admin)

C:

mkdir employee

cd employee

git clone <https://github.com/yaronzlotolov/employeemanagement.git>



```
Administrator: Windows PowerShell

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\WINDOWS\system32> cd\
PS C:\> md employee

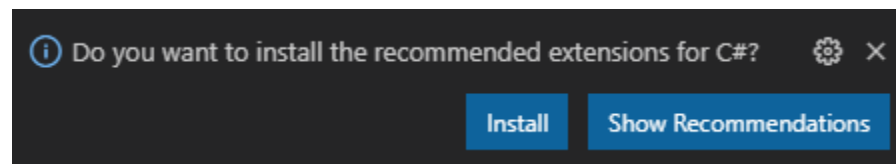
Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          1/24/2021   6:58 PM             employee

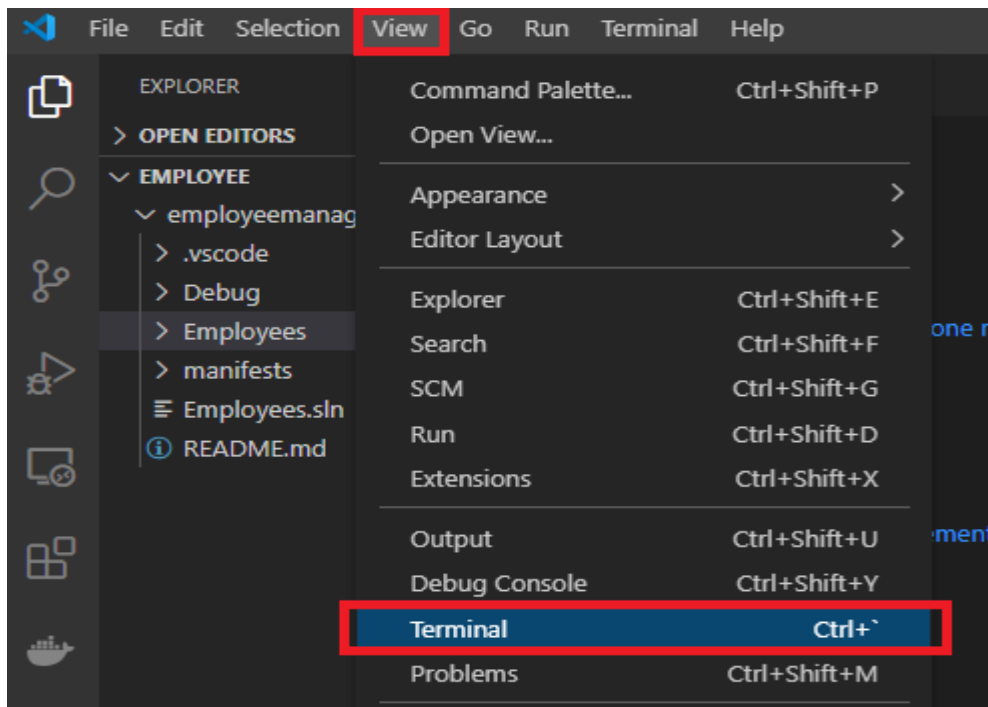
PS C:\> cd .\employee\
PS C:\employee> git clone https://github.com/yaronzlotolov/employeemanagement.git
Cloning into 'employeemanagement'...
remote: Enumerating objects: 437, done.
remote: Counting objects: 100% (437/437), done.
remote: Compressing objects: 100% (317/317), done.
remote: Total 437 (delta 102), reused 427 (delta 97), pack-reused 0
Receiving objects: 100% (437/437), 4.72 MiB | 2.79 MiB/s, done.
Resolving deltas: 100% (102/102), done.
Updating files: 100% (379/379), done.
PS C:\employee> code .
```

code . will open Visual Studio Code with the project.

Once you get into VS code click **Install** in the popup message below for C# extensions:



Select View > Terminal



Run the commands below:

```
cd .\employeemanagement
```

```
cd .\employee
```

```
dotnet dev-certs https --trust
```

```
dotnet build - compile the project
```

```
dotnet run - run the project
```

```
Try the new cross-platform PowerShell https://aka.ms/pscore6
PS C:\employee> cd .\employeemanagement\
PS C:\employee\employeemanagement> cd .\Employees\
PS C:\employee\employeemanagement\Employees> dotnet build
Microsoft (R) Build Engine version 16.7.2+b60ddb6f4 for .NET
Copyright (C) Microsoft Corporation. All rights reserved.

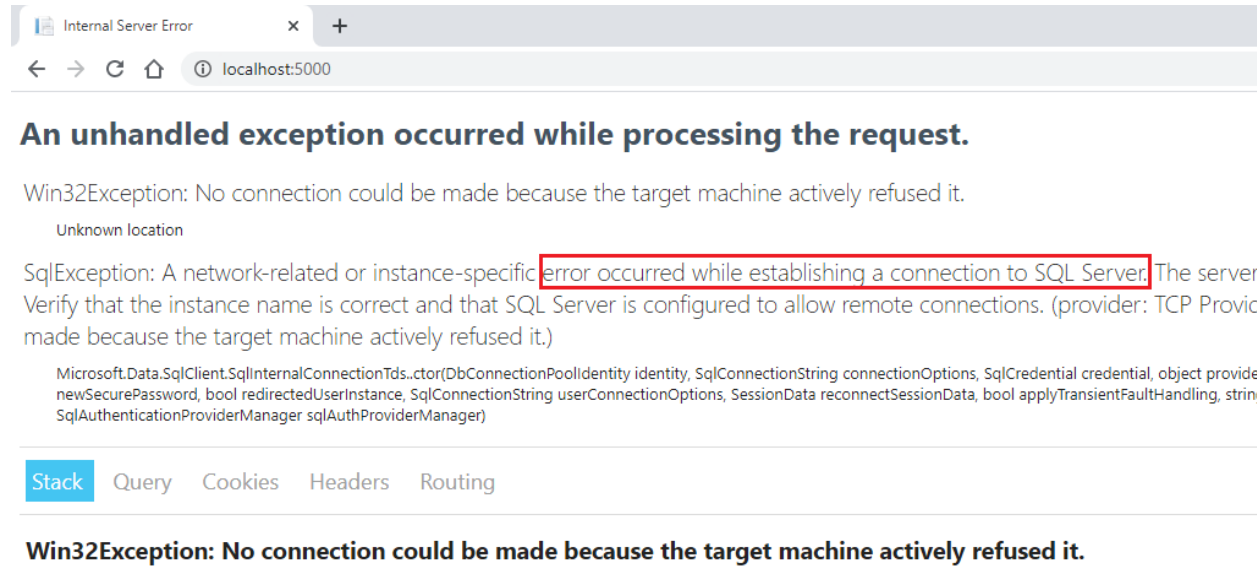
Determining projects to restore...
Restored C:\employee\employeemanagement\Employees\Employees.csproj (in 1.56 sec).
Employees -> C:\employee\employeemanagement\Employees\bin\Debug\netcoreapp3.1\Employees.dll
Employees -> C:\employee\employeemanagement\Employees\bin\Debug\netcoreapp3.1\Employees.Views.dll

Build succeeded.
    0 Warning(s)
    0 Error(s)

Time Elapsed 00:00:30.76
PS C:\employee\employeemanagement\Employees> dotnet run
```

Open **Google Chrome** or any other browser and enter the URL: <http://localhost:5000>

You will see the error below because we don't have MSSQL installed yet on our PC with the database that the application needs.



An unhandled exception occurred while processing the request.

Win32Exception: No connection could be made because the target machine actively refused it.

Unknown location

SqlException: A network-related or instance-specific error occurred while establishing a connection to SQL Server. The server Verify that the instance name is correct and that SQL Server is configured to allow remote connections. (provider: TCP Provider made because the target machine actively refused it.)

Microsoft.Data.SqlClient.SqlInternalConnectionTds..ctor(DbConnectionPoolIdentity identity, SqlConnectionString connectionOptions, SqlCredential credential, object providerNewSecurePassword, bool redirectedUserInstance, SqlConnectionString userConnectionOptions, SessionData reconnectSessionData, bool applyTransientFaultHandling, string SqlConnectionAuthenticationProviderManager sqlAuthProviderManager)

Stack Query Cookies Headers Routing

Win32Exception: No connection could be made because the target machine actively refused it.

Enter **CTRL+C** in the VS code terminal to exit the application:

```
at Microsoft.AspNetCore.Mvc.ViewResult.ExecuteResultAsync(ActionContext context)
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeNextResultFilterAsync>g__Awaited|29_0[TFilter,TFilterAsync]
Invoker, Task lastTask, State next, Scope scope, Object state, Boolean isCompleted)
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.Rethrow(ResultExecutedContextSealed context)
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.ResultNext[TFilter,TFilterAsync](State& next, Scope& scope, Object
isCompleted)
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.InvokeResultFilters()
--- End of stack trace from previous location where exception was thrown ---
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeNextResourceFilter>g__Awaited|24_0(ResourceInvoker invoker,
ate next, Scope scope, Object state, Boolean isCompleted)
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.Rethrow(ResourceExecutedContextSealed context)
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.Next(State& next, Scope& scope, Object& state, Boolean& isCompleter
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.InvokeFilterPipelineAsync()
--- End of stack trace from previous location where exception was thrown ---
at Microsoft.AspNetCore.Mvc.Infrastructure.ResourceInvoker.<InvokeAsync>g__Awaited|17_0(ResourceInvoker invoker, Task task, II
at Microsoft.AspNetCore.Builder.RouterMiddleware.Invoke(HttpContext httpContext)
at Microsoft.AspNetCore.Authentication.AuthenticationMiddleware.Invoke(HttpContext context)
at Microsoft.AspNetCore.Diagnostics.DeveloperExceptionPageMiddleware.Invoke(HttpContext context)
ClientConnectionId:00000000-0000-0000-0000-000000000000
Error Number:10061,State:0,Class:20
PS C:\employee\employeemanagement\Employees>
```

Done!