

# **Milestone 3 Code Demonstration: Eden Fresh**

Provided by Team Web Crawlers

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## Note

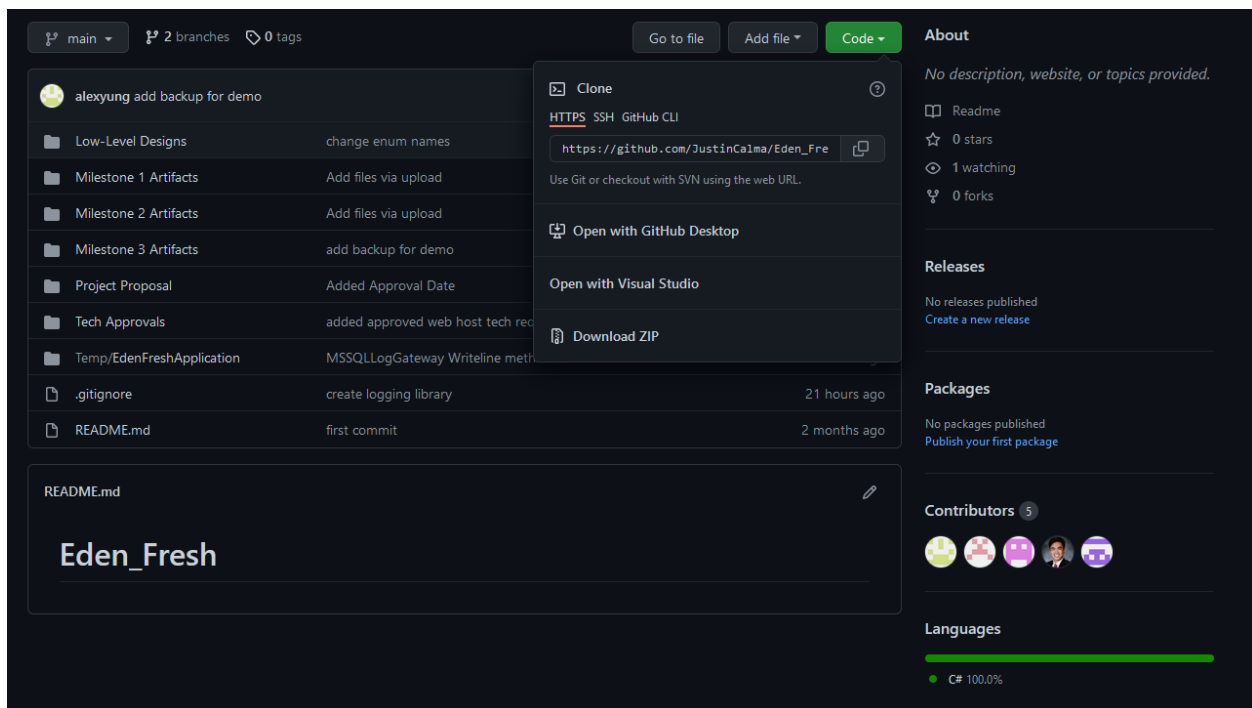
This demonstration assumes that:

Visual Studio 2022 is installed on the computer with .NET 6 support

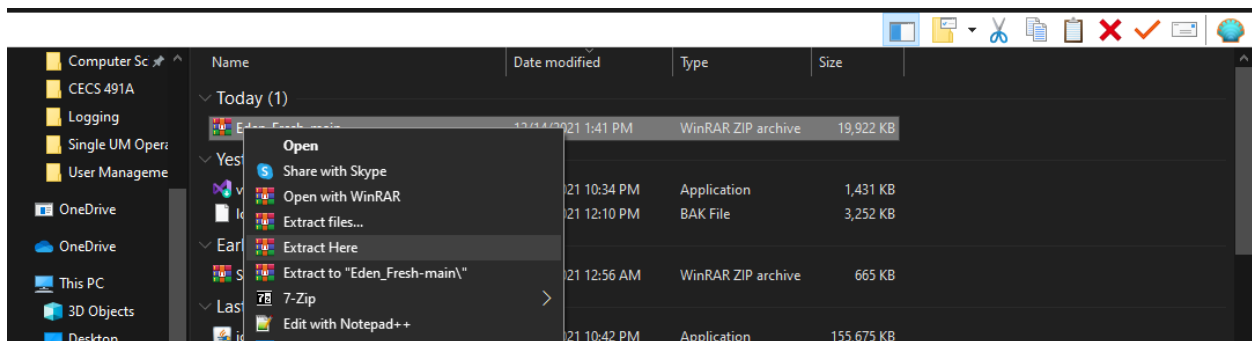
Microsoft SQL Server Express 2019 is installed on the computer with the default instance (./SQLEXPRESS) started.

Microsoft SQL Server Management Studio 2018 is installed on the computer and can connect to the local SQL Server instance.

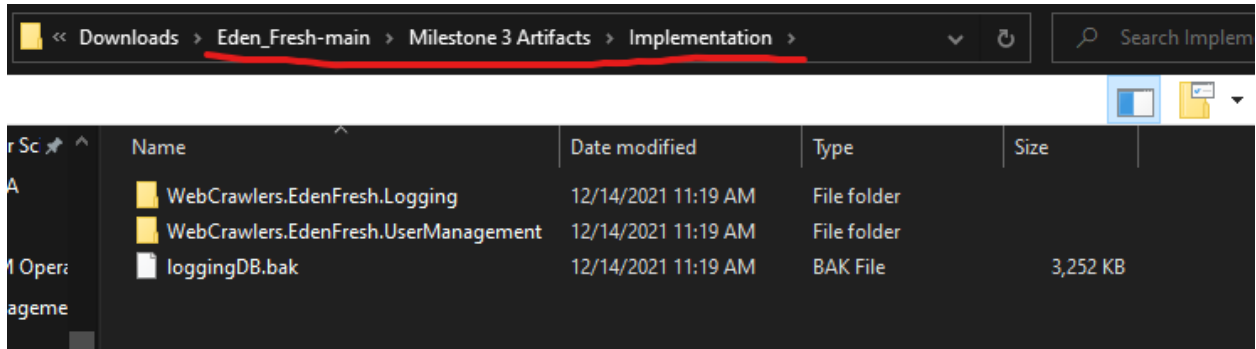
### 1. Download the GitHub repository as a .zip file.



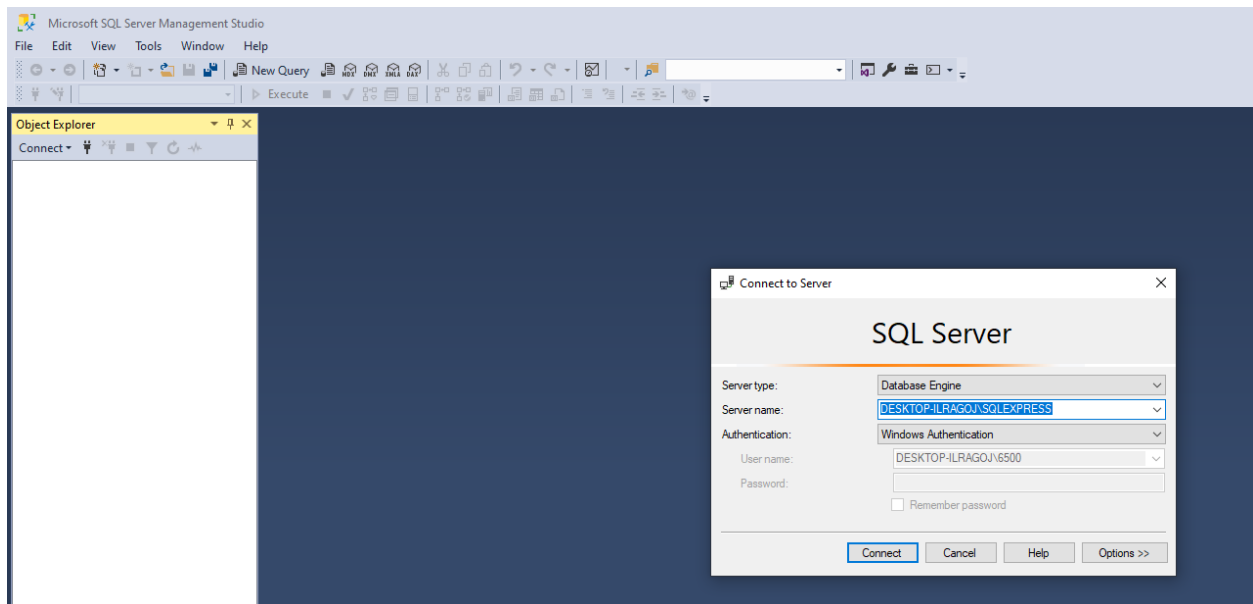
### 2. Extract the .zip file into a folder.



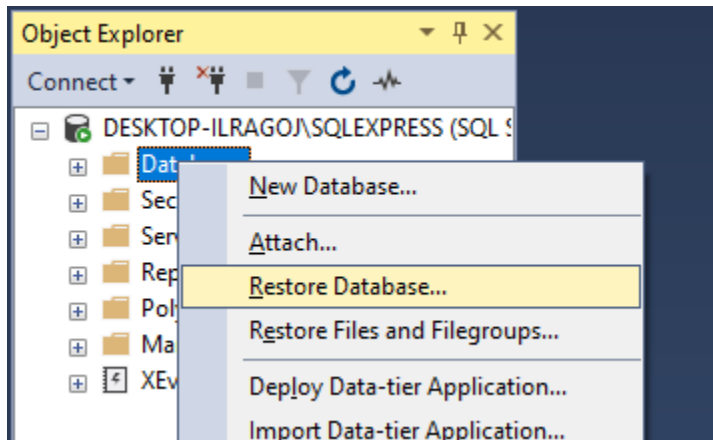
3. In the unzipped folder, navigate to the Implementation folder. Take note of the path to this folder.



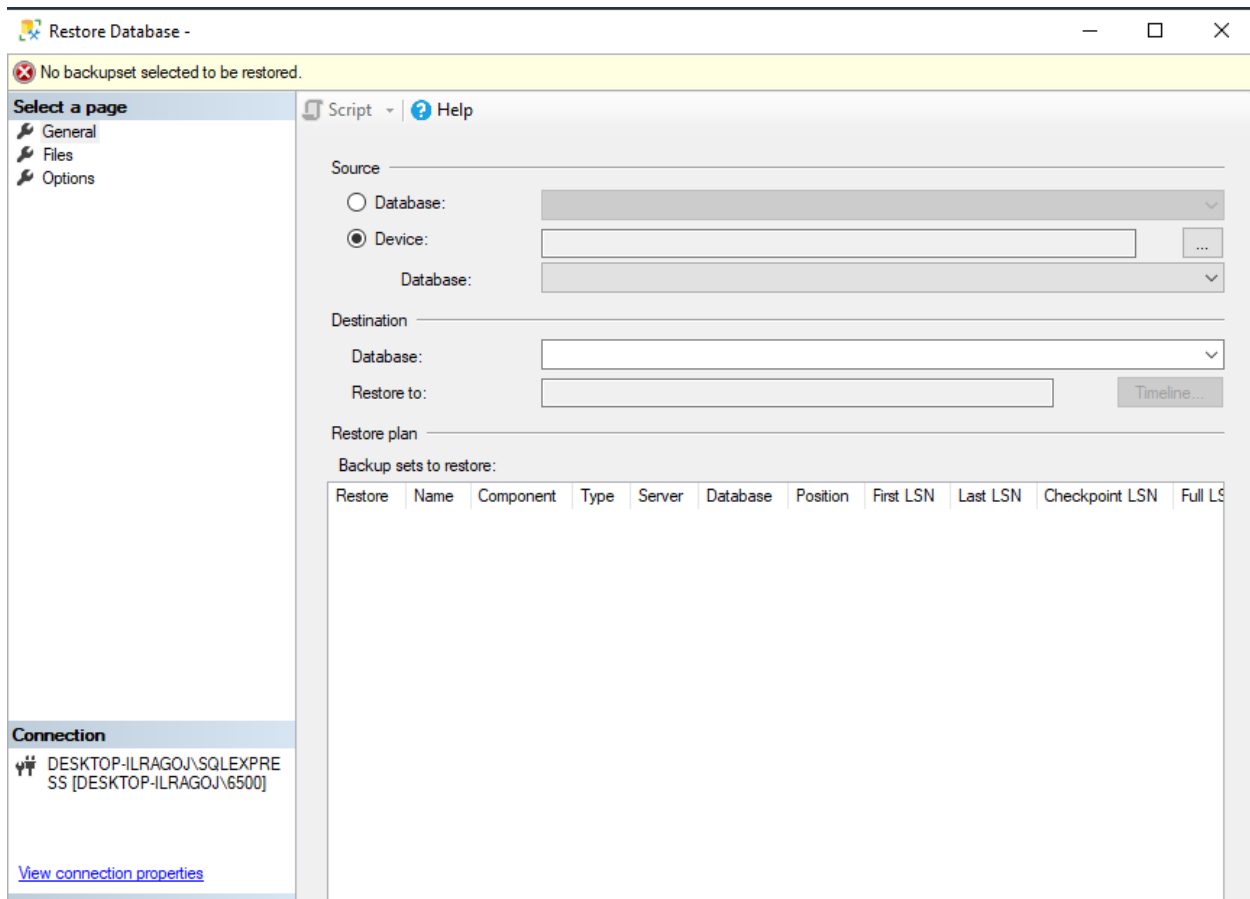
4. Open SSMS and connect to your local database.



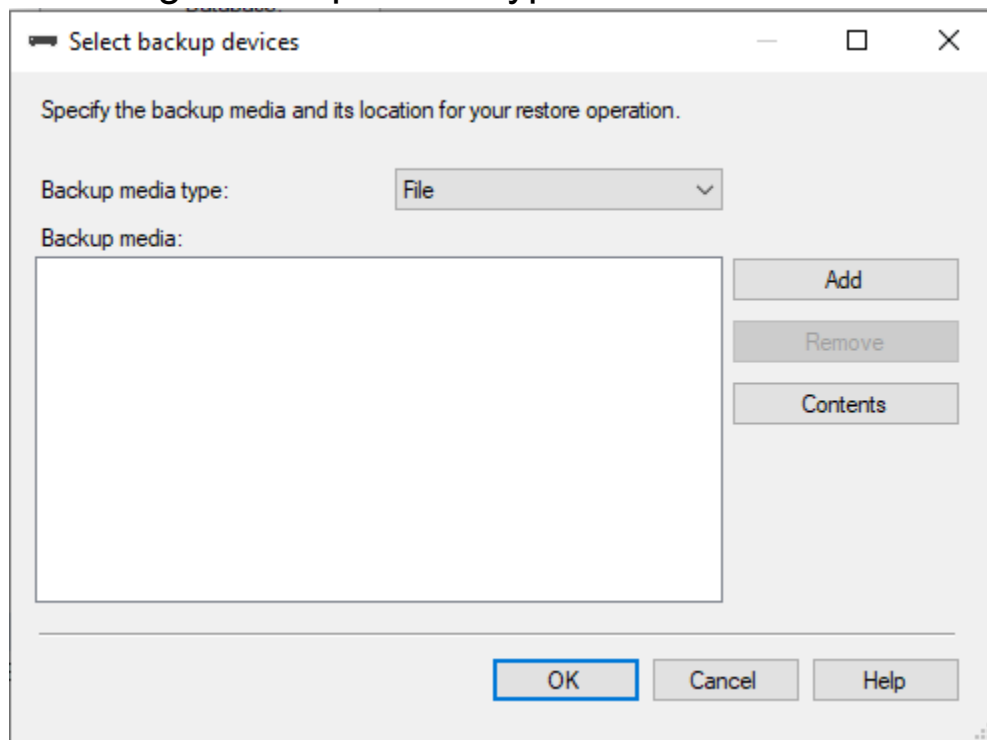
5. In the Object Explorer on the left, right-click “Databases” and click “Restore Database...”



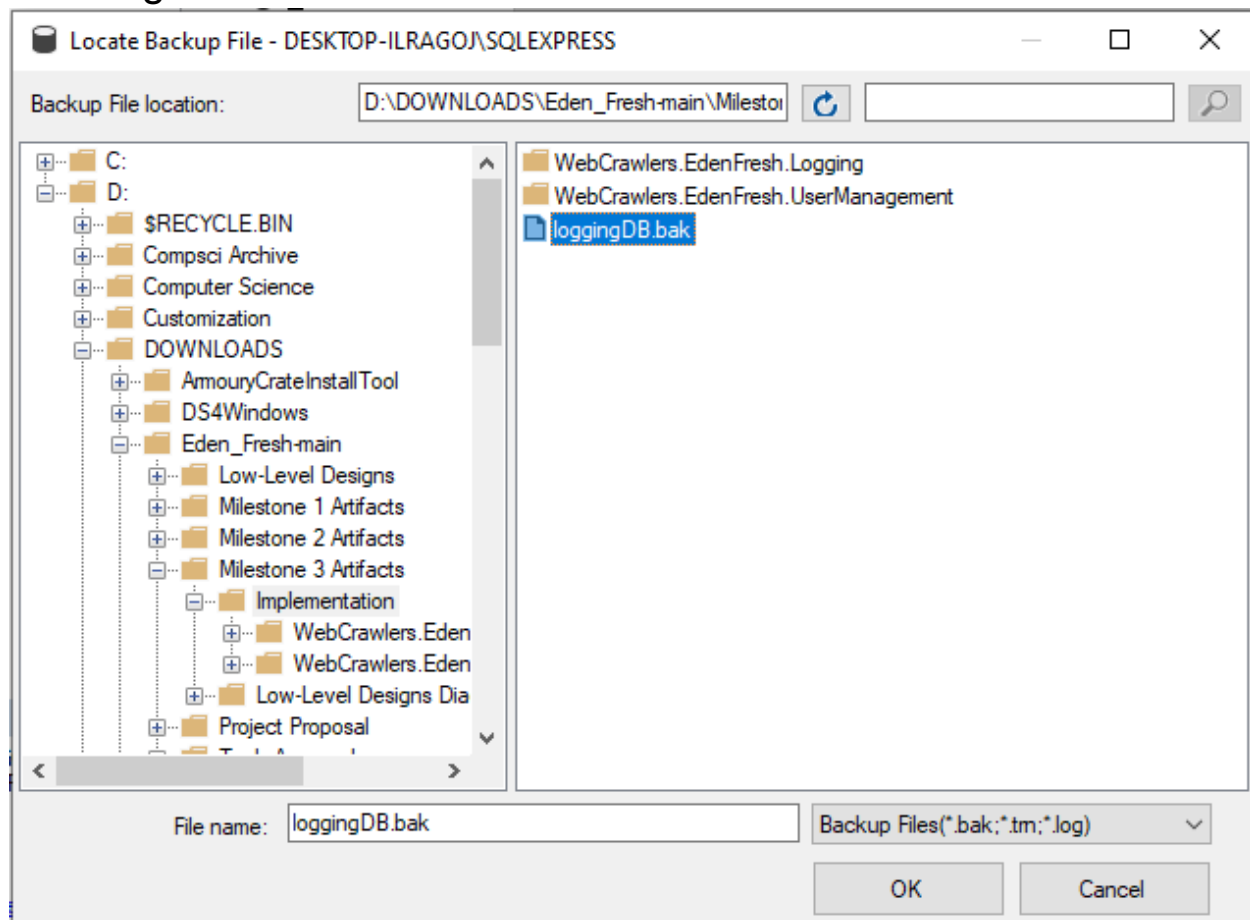
6. Change the source to Device and click the ellipses button on the right to find the .bak file.



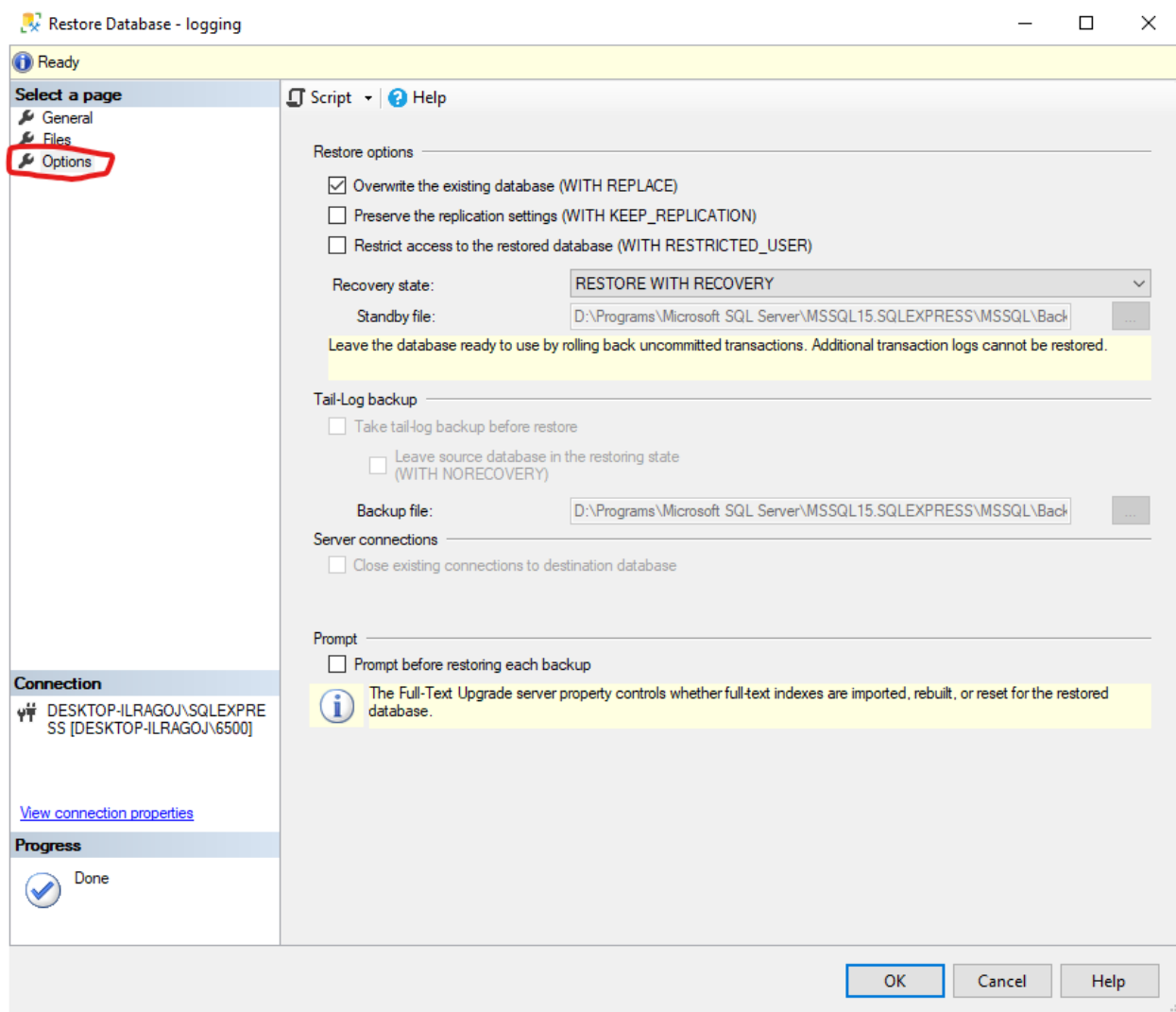
## 7. Change backup media type to “File” and click “Add”.



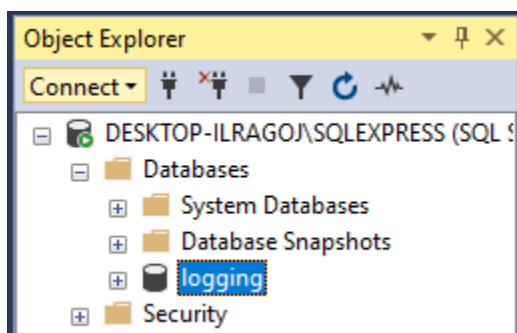
8. Navigate to the folder where the .bak file is. Then click OK.



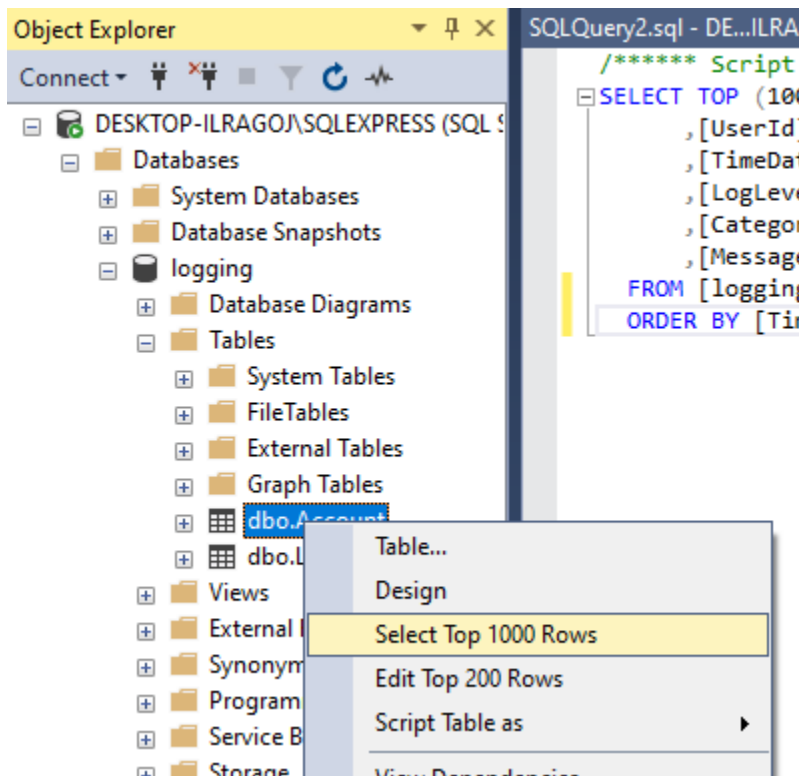
9. Click “Options” and check the box with “Overwrite the existing database”. Then, click OK at the bottom.



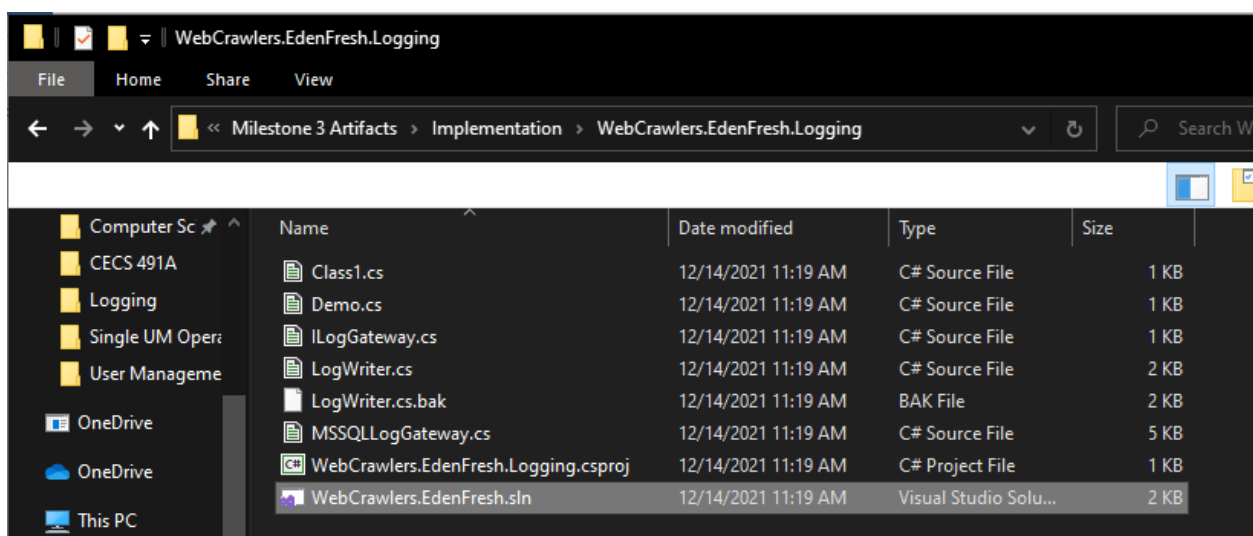
10. The database should be restored to your local instance.



11. Open the “logging” database, open the “Tables” folder, right-click `dbo.Account` and “Select top 1000 rows”. Do the same for `dbo.LOGGER`. Keep both windows open for the demonstration.

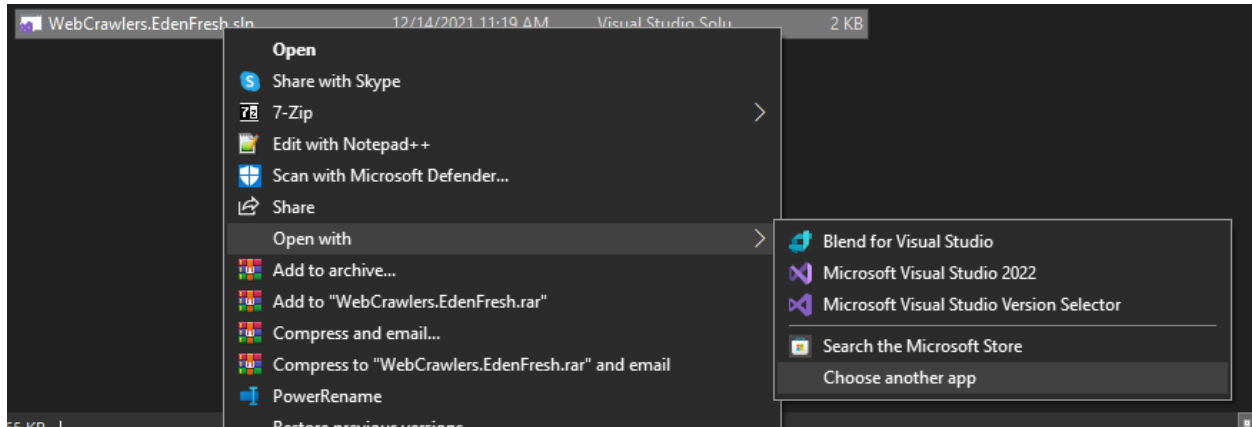


12. In file explorer, navigate to “WebCrawlers.EdenFresh.Logging”.

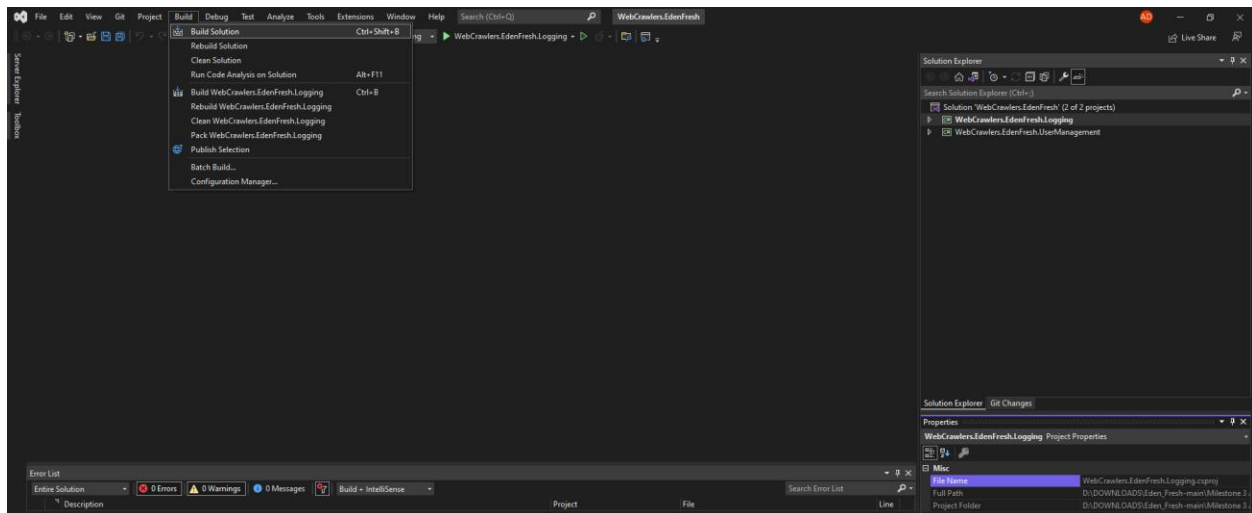




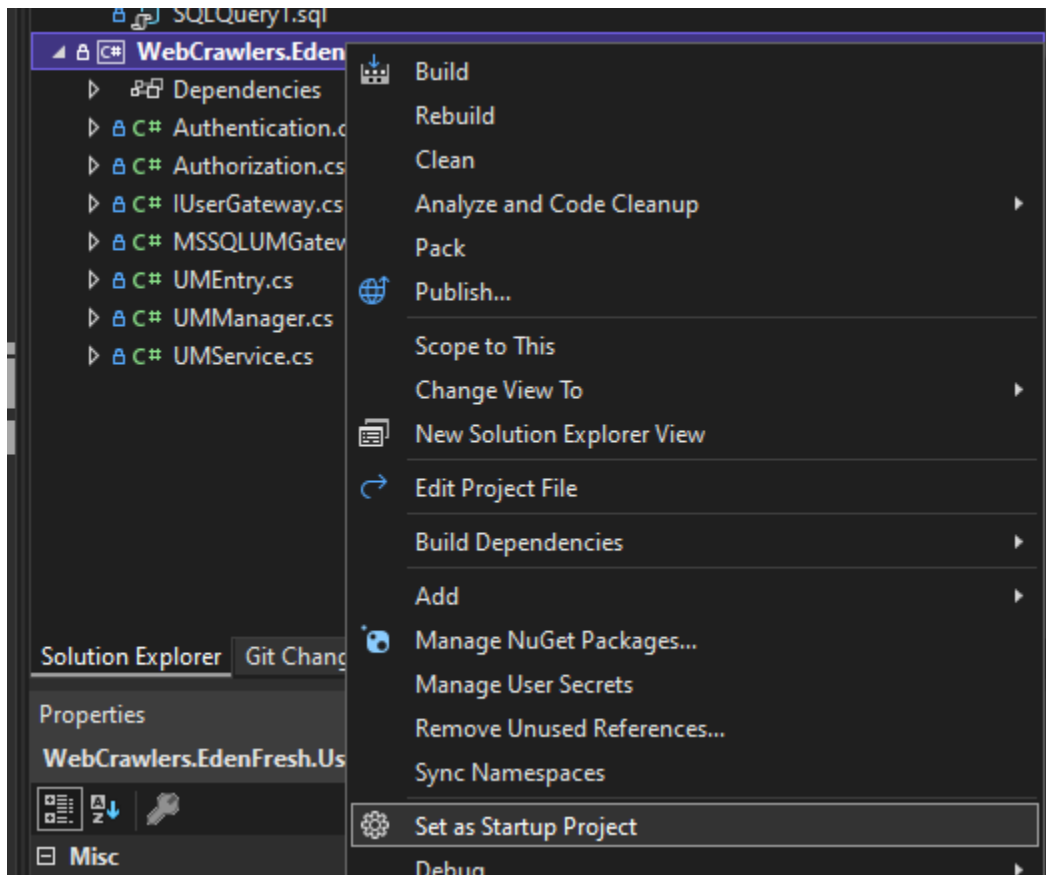
13. Right-click the .sln file, “Open With”, then Visual Studio 2022. If VS 2022 is not there, “Choose another app” and choose Visual Studio 2022 from there.



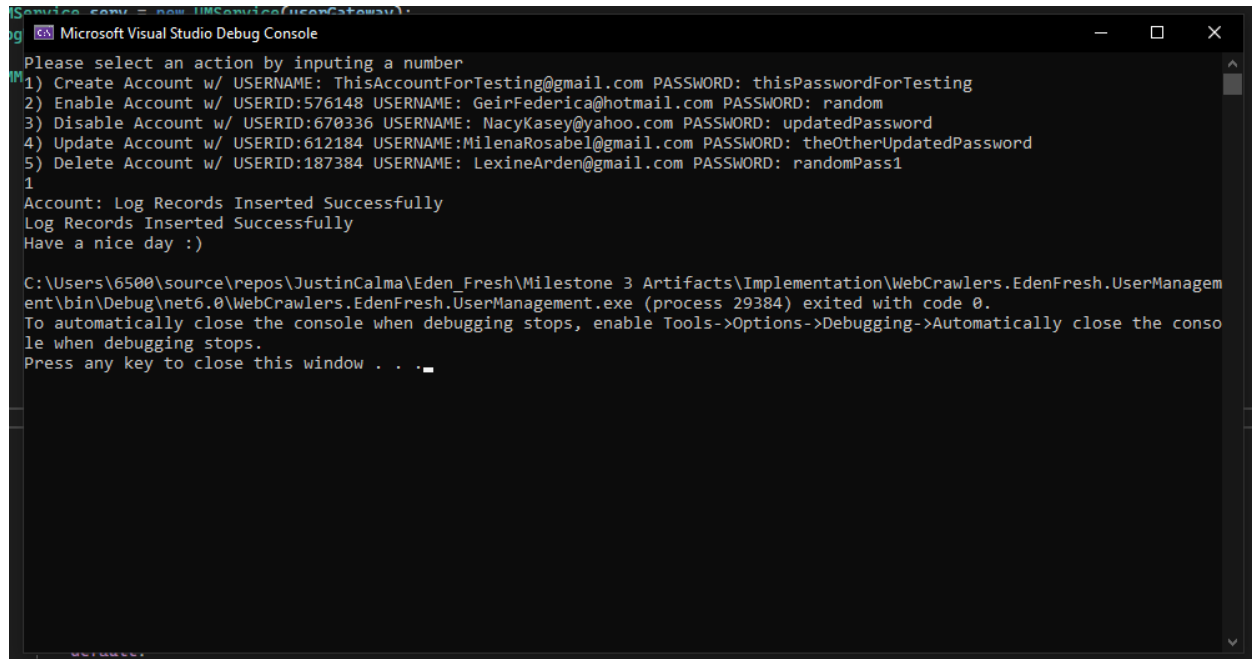
14. At the top bar, click “Build” then “Build Solution”



15. Right click “WebCrawlers.EdenFresh.UserManagement” and “Set as Startup Project”



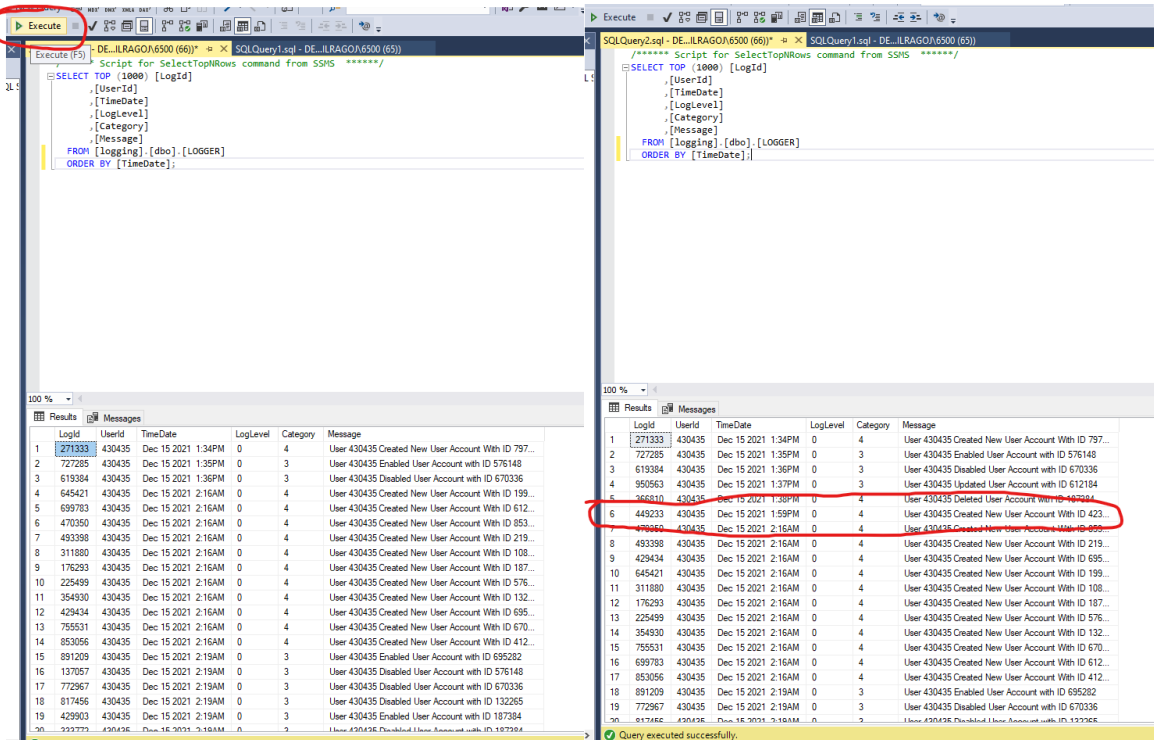
16. Press CTRL-F5 and enter whichever operation to demonstrate. After entering the number, press enter a few times to proceed through the whole function.



```
Service.exe = new WebCrawler(WebCrawler.cs);
Microsoft Visual Studio Debug Console
Please select an action by inputting a number
1) Create Account w/ USERNAME: ThisAccountForTesting@gmail.com PASSWORD: thisPasswordForTesting
2) Enable Account w/ USERID:576148 USERNAME: GeirFederica@hotmail.com PASSWORD: random
3) Disable Account w/ USERID:670336 USERNAME: NacyKasey@yahoo.com PASSWORD: updatedPassword
4) Update Account w/ USERID:612184 USERNAME: MilenaRosabel@gmail.com PASSWORD: theOtherUpdatedPassword
5) Delete Account w/ USERID:187384 USERNAME: LexineArden@gmail.com PASSWORD: randomPass1
1
Account: Log Records Inserted Successfully
Log Records Inserted Successfully
Have a nice day :)

C:\Users\6500\source\repos\JustinCalma\Eden_Fresh\Milestone 3 Artifacts\Implementation\WebCrawlers.EdenFresh.UserManagem
ent\bin\Debug\net6.0\WebCrawlers.EdenFresh.UserManagement.exe (process 29384) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```

17. To show the changes, re-execute the queries in SSMS and find the changed accounts. Make sure to view both the logs table and accounts table.



The screenshot displays two SQL Server Enterprise Manager (SSMS) query windows side-by-side. The left window, titled 'SQLQuery1.sql - DE\_ILRAGON6500 (65)', contains a query to select the top 1000 rows from the 'logs' table, ordered by 'TimeDate'. The right window, titled 'SQLQuery2.sql - DE\_ILRAGON6500 (66)', contains a query to select the top 1000 rows from the 'accounts' table, ordered by 'TimeDate'. Both queries are highlighted with red boxes. Below each query window, the results are displayed in a table format. The 'logs' table results show columns: LogId, UserId, TimeDate, LogLevel, Category, and Message. The 'accounts' table results show columns: LogId, UserId, TimeDate, LogLevel, Category, and Message. The results for both tables are shown, with the 'accounts' table results being highlighted in yellow.

LogId	UserId	TimeDate	LogLevel	Category	Message
271333	430435	Dec 15 2021 1:34PM	0	4	User 430435 Created New User Account With ID 797...
727285	430435	Dec 15 2021 1:35PM	0	3	User 430435 Enabled User Account with ID 576148
619384	430435	Dec 15 2021 1:36PM	0	3	User 430435 Disabled User Account with ID 670336
645421	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 159...
699783	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 612...
470350	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 853...
493398	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 219...
311880	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 108...
176293	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 187...
225499	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 576...
354930	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 132...
429434	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 695...
755531	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 670...
853056	430435	Dec 15 2021 2:16AM	0	4	User 430435 Created New User Account With ID 412...
891209	430435	Dec 15 2021 2:19AM	0	3	User 430435 Enabled User Account with ID 695282
137057	430435	Dec 15 2021 2:19AM	0	3	User 430435 Disabled User Account with ID 576148
772967	430435	Dec 15 2021 2:19AM	0	3	User 430435 Disabled User Account with ID 670336
817456	430435	Dec 15 2021 2:19AM	0	3	User 430435 Disabled User Account with ID 132655
429903	430435	Dec 15 2021 2:19AM	0	3	User 430435 Enabled User Account with ID 187384
323773	430435	Dec 15 2021 2:19AM	0	3	User 430435 Disabled User Account with ID 137336

18. Repeat steps 16 and 17 for each type of operation.