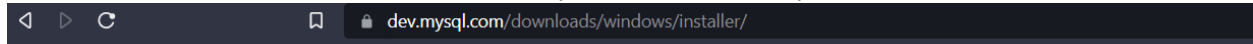


Pre-requisites:

1. Visual Studio at least 2010 or later version
2. Internet connection for downloading additional requirements if not downloaded already.

STEPS MySQL Database Setup

1. Goto <https://dev.mysql.com/downloads/windows/installer/>
2. Download MySQL Community Installer (For Offline Installer)



MySQL Community Downloads

MySQL Installer

General Availability (GA) Releases Archives ⓘ

MySQL Installer 8.0.32

Select Operating System:
Microsoft Windows ▼

[Looking for previous GA versions?](#)

Windows (x86, 32-bit), MSI Installer (mysql-installer-web-community-8.0.32.0.msi)	8.0.32	2.4M	Download
Windows (x86, 32-bit), MSI Installer (mysql-installer-community-8.0.32.0.msi)	8.0.32	437.3M	Download

MD5: 0f882590f8338adc614e9dc5cb00ca0b | [Signature](#)

MD5: a29b5817cba2c7bc0e0b97e897c2591f | [Signature](#)

! We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

MySQL Community Downloads

Login Now or Sign Up for a free account.

An Oracle Web Account provides you with the following advantages:

- Fast access to MySQL software downloads
- Download technical White Papers and Presentations
- Post messages in the MySQL Discussion Forums
- Report and track bugs in the MySQL bug system

Login »

using my Oracle Web account

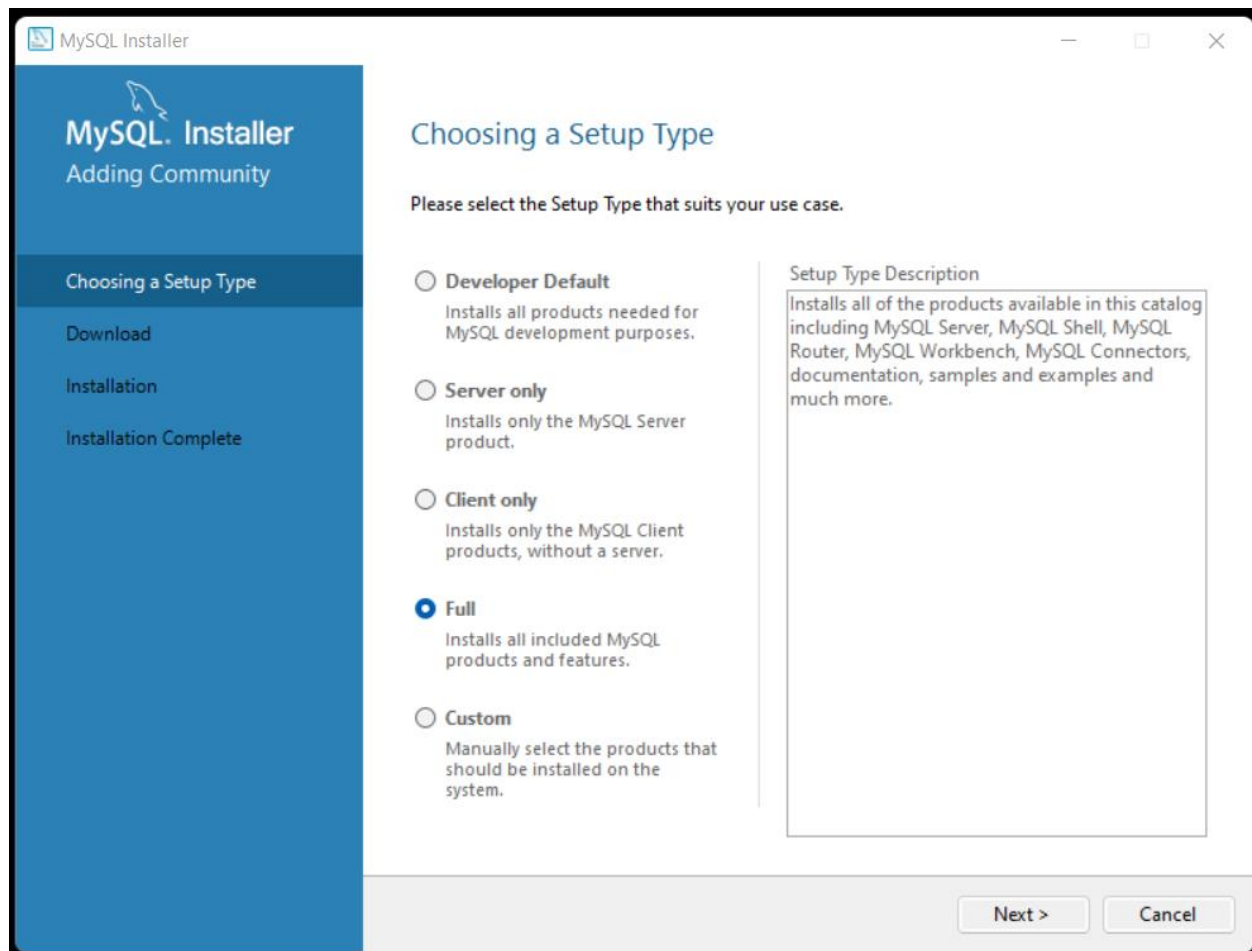
Sign Up »

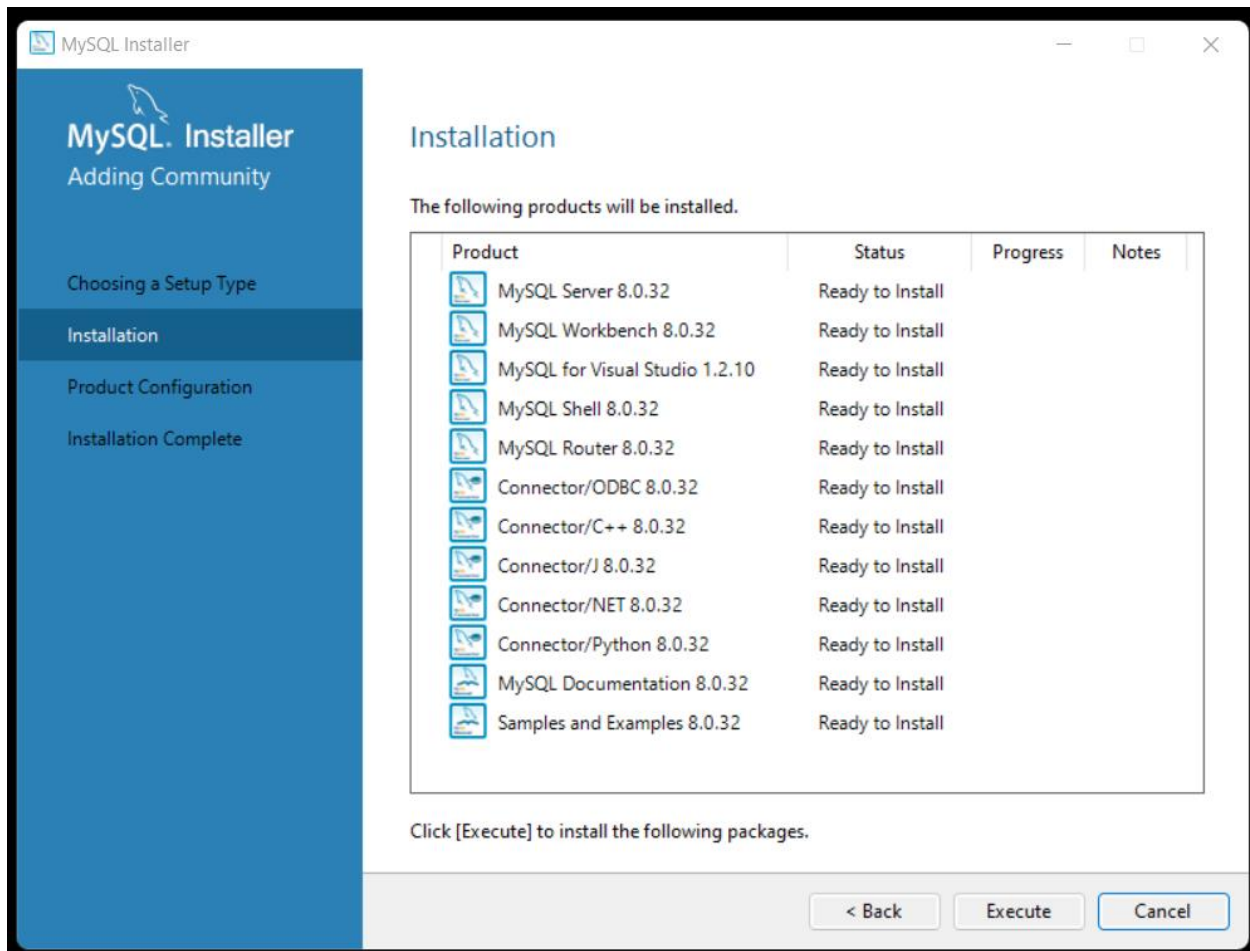
for an Oracle Web account

MySQL.com is using Oracle SSO for authentication. If you already have an Oracle Web account, click the Login link. Otherwise, you can sign up for a free account by clicking the Sign Up link and following the instructions.

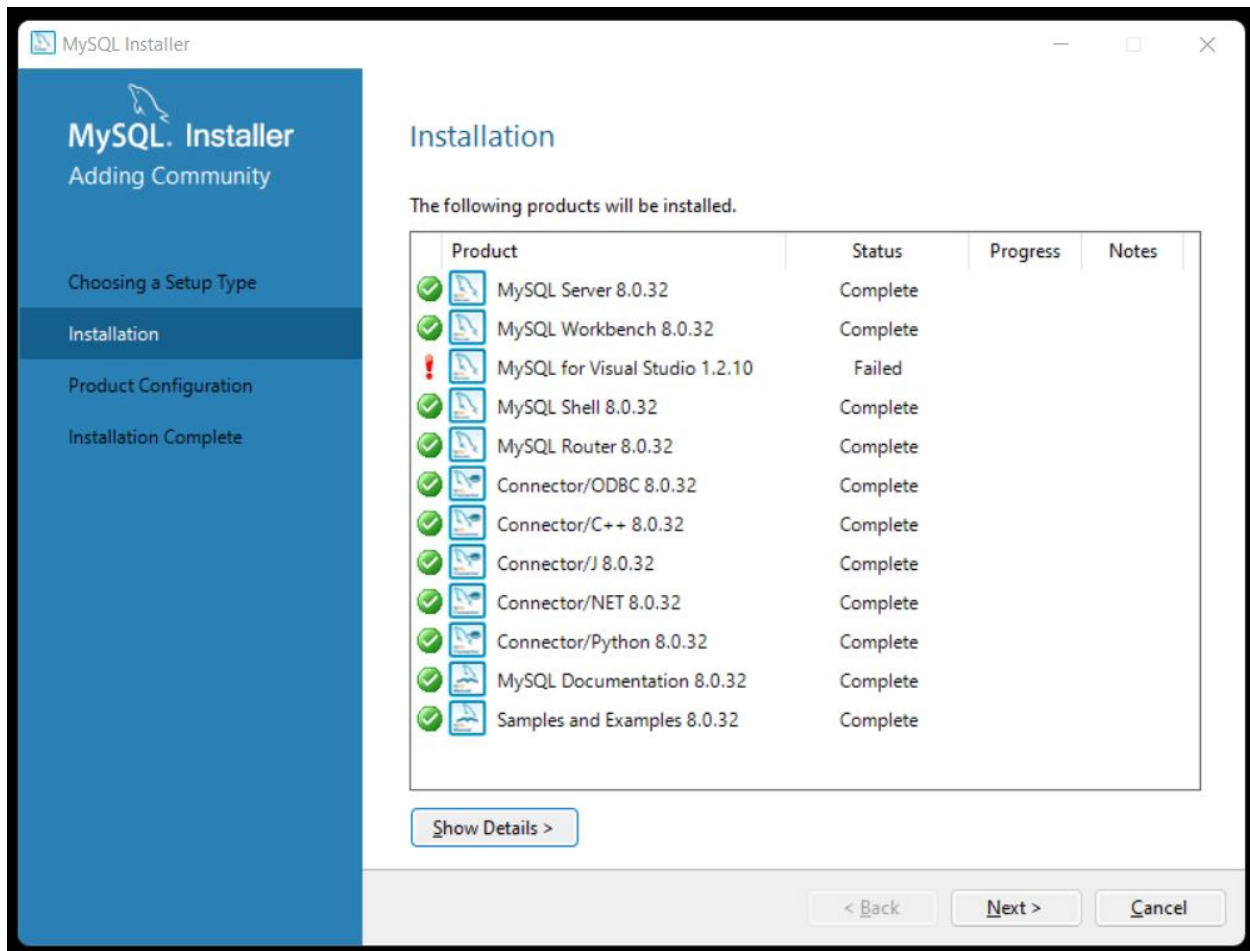
[No thanks, just start my download.](#)

3. Install the newly downloaded MySQL Community 8.0.32.0 msi





4. Click Execute to install everything
5. You may encounter failed installation but most importantly MySQL Server, MySQL Workbench and Connector/ODBC must be installed completely.



6. Proceed to Configuration

MySQL. Installer

Adding Community

Choosing a Setup Type

Installation

Product Configuration

Installation Complete

Product Configuration

We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

Product	Status
MySQL Server 8.0.32	Ready to configure
MySQL Router 8.0.32	Ready to configure
Samples and Examples 8.0.32	Ready to configure

Next >

Cancel

MySQL. Installer

MySQL Server 8.0.32

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

Type and Networking

Server Configuration Type

Choose the correct server configuration type for this MySQL Server installation. This setting will define how much system resources are assigned to the MySQL Server instance.

Config Type: Development Computer

Connectivity

Use the following controls to select how you would like to connect to this server.

☒ TCP/IP

Port: 3306

X Protocol Port: 33060

☒ Open Windows Firewall ports for network access

☐ Named Pipe

Pipe Name: MYSQL

☐ Shared Memory

Memory Name: MYSQL

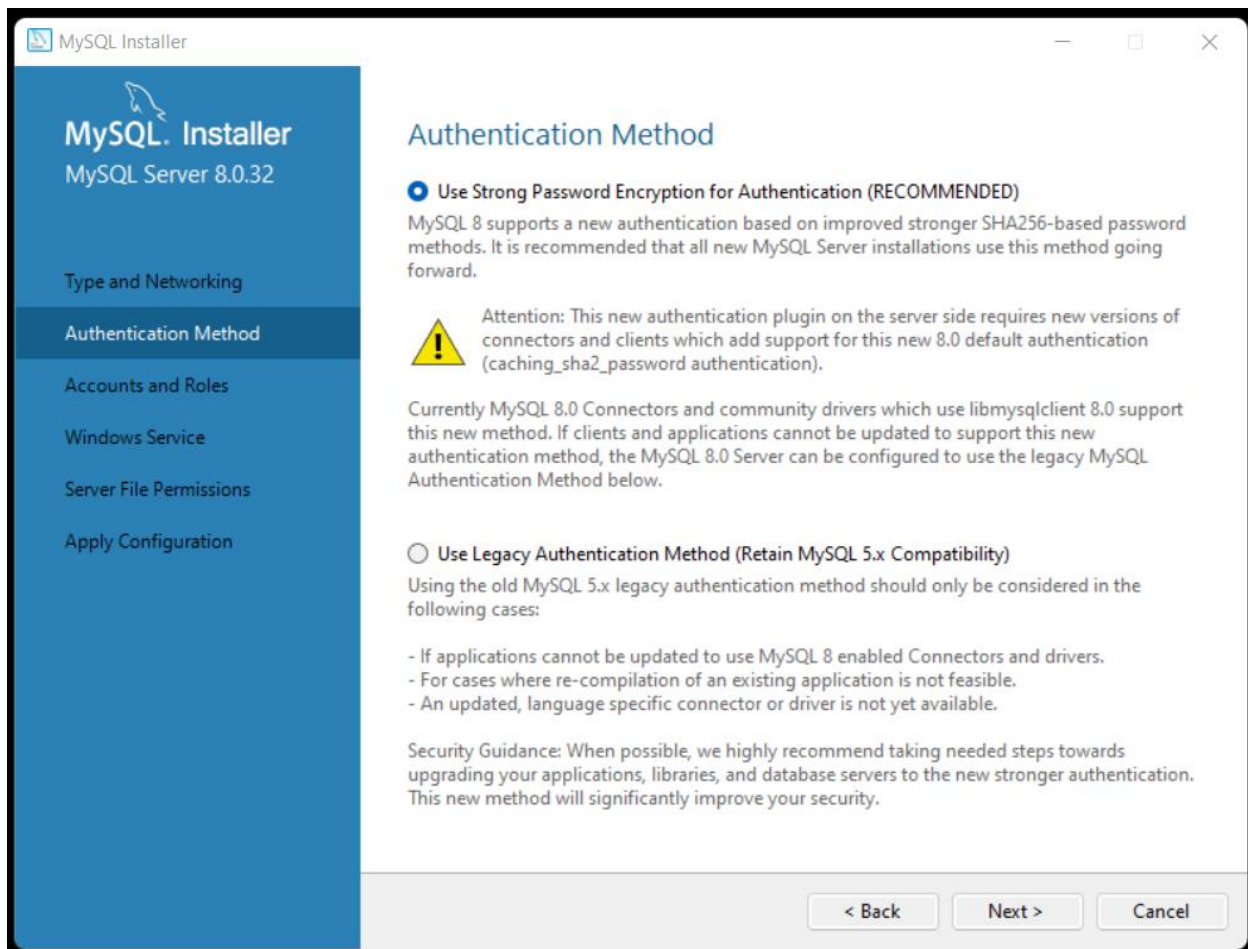
Advanced Configuration

Select the check box below to get additional configuration pages where you can set advanced and logging options for this server instance.

☐ Show Advanced and Logging Options

Next >

Cancel



7. For the default Username/Account "root" let's use a most common password which is "1234567" without the quotation mark. Though you can add another user below, let us use the default user for now.

MySQL Installer

MySQL Server 8.0.32

Type and Networking

Authentication Method

Accounts and Roles

Windows Service

Server File Permissions

Apply Configuration

Accounts and Roles

Root Account Password

Enter the password for the root account. Please remember to store this password in a secure place.

MySQL Root Password:

Repeat Password:

Password strength: **Weak**

MySQL User Accounts

Create MySQL user accounts for your users and applications. Assign a role to the user that consists of a set of privileges.

MySQL User Name	Host	User Role
-----------------	------	-----------

Add User

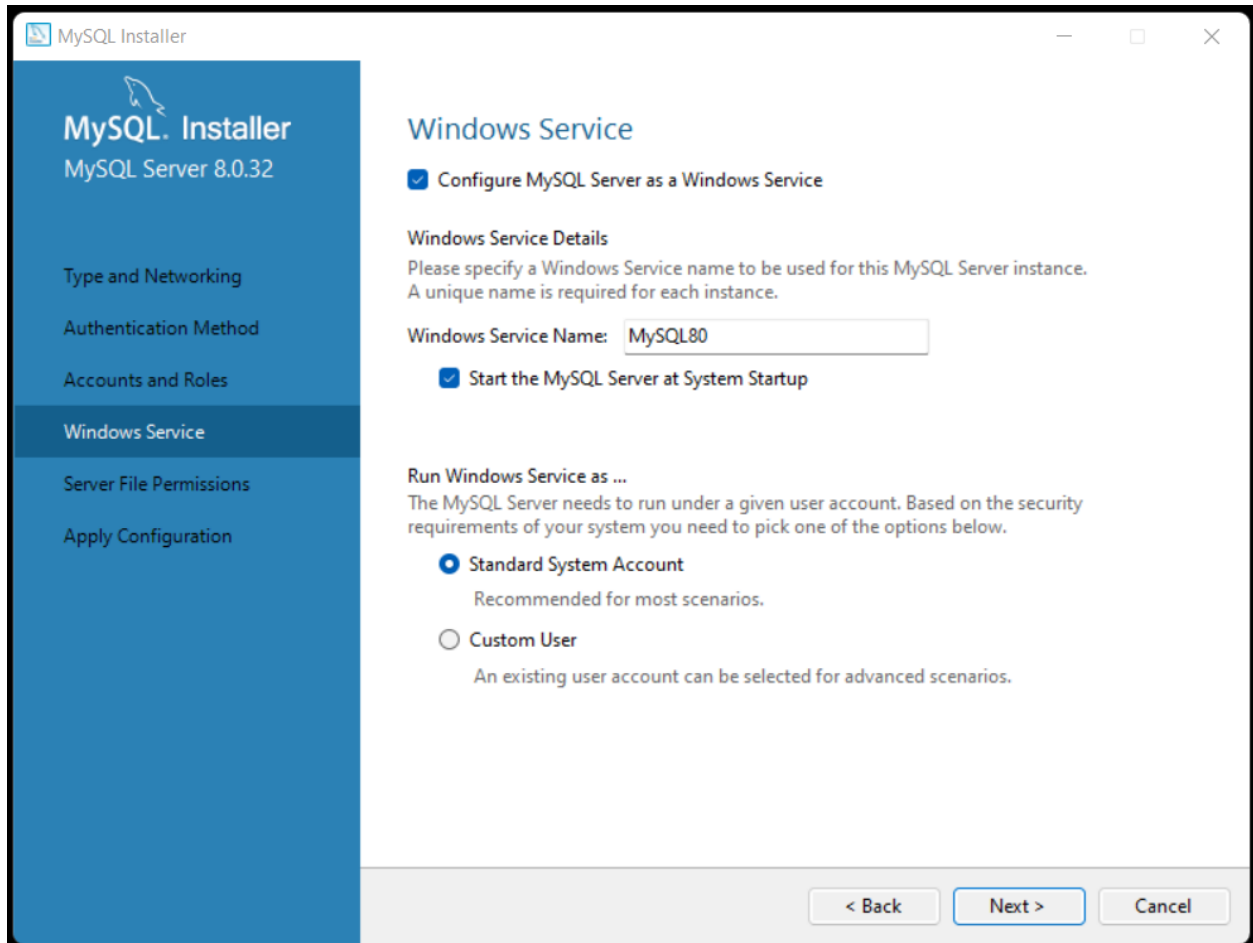
Edit User

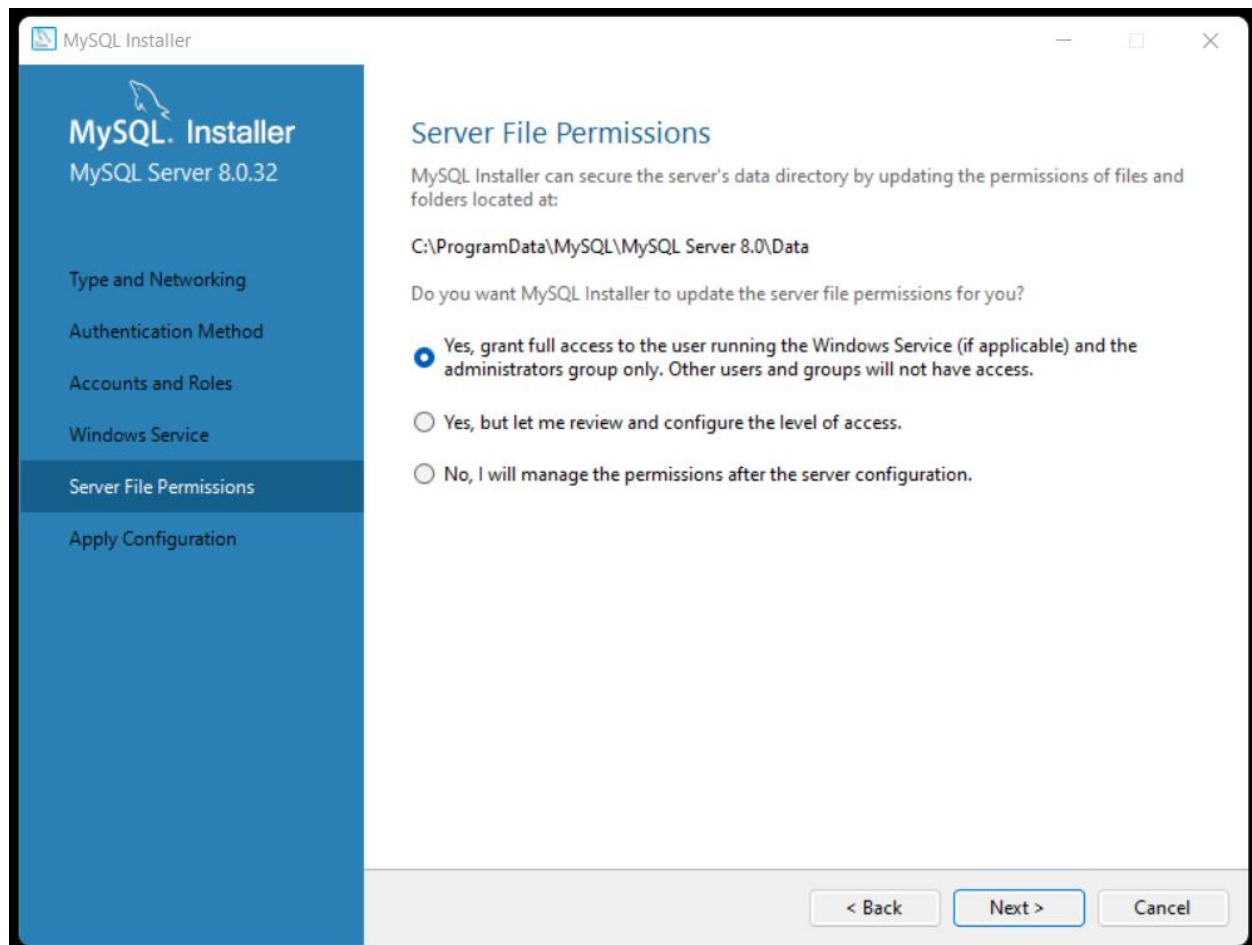
Delete

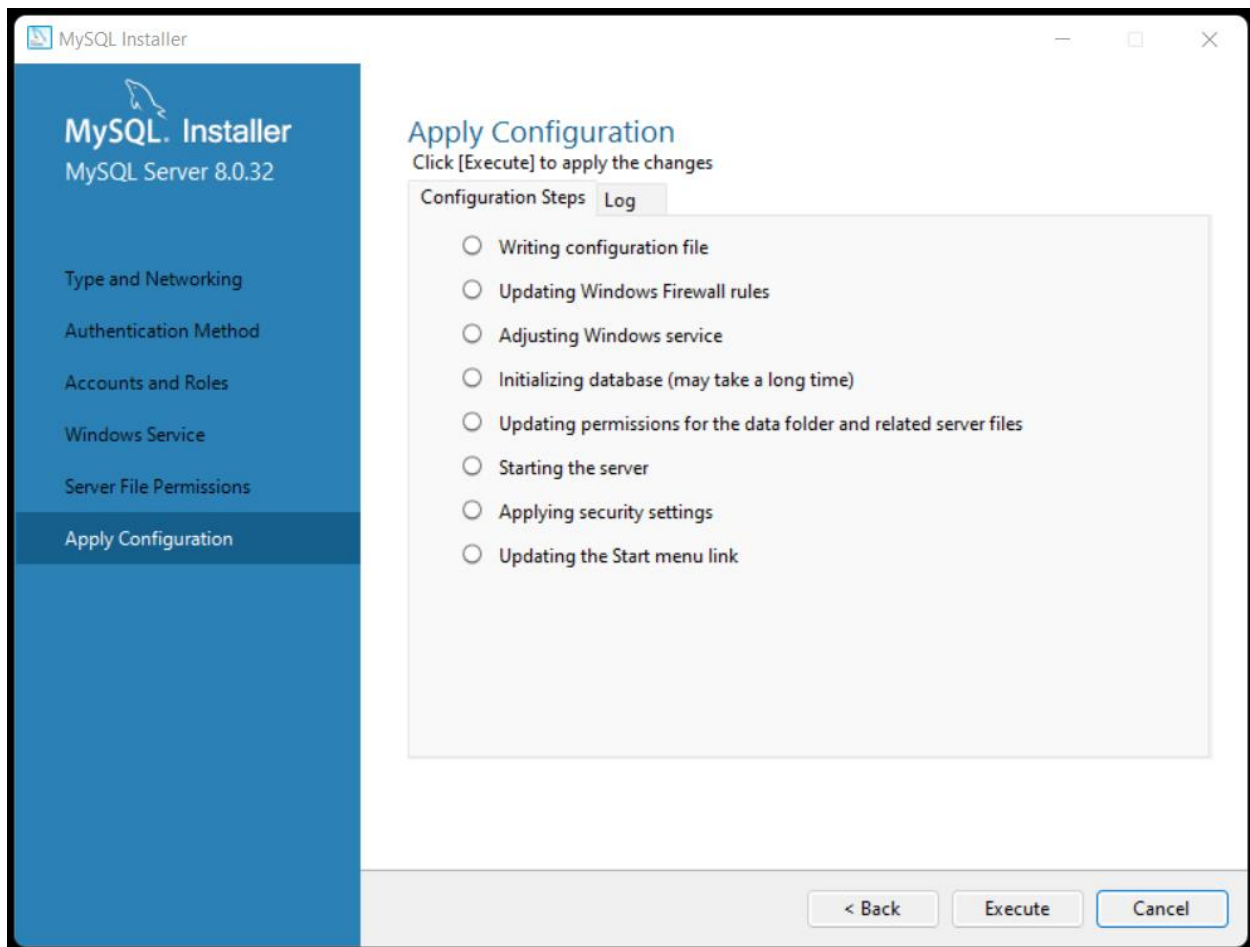
< Back

Next >

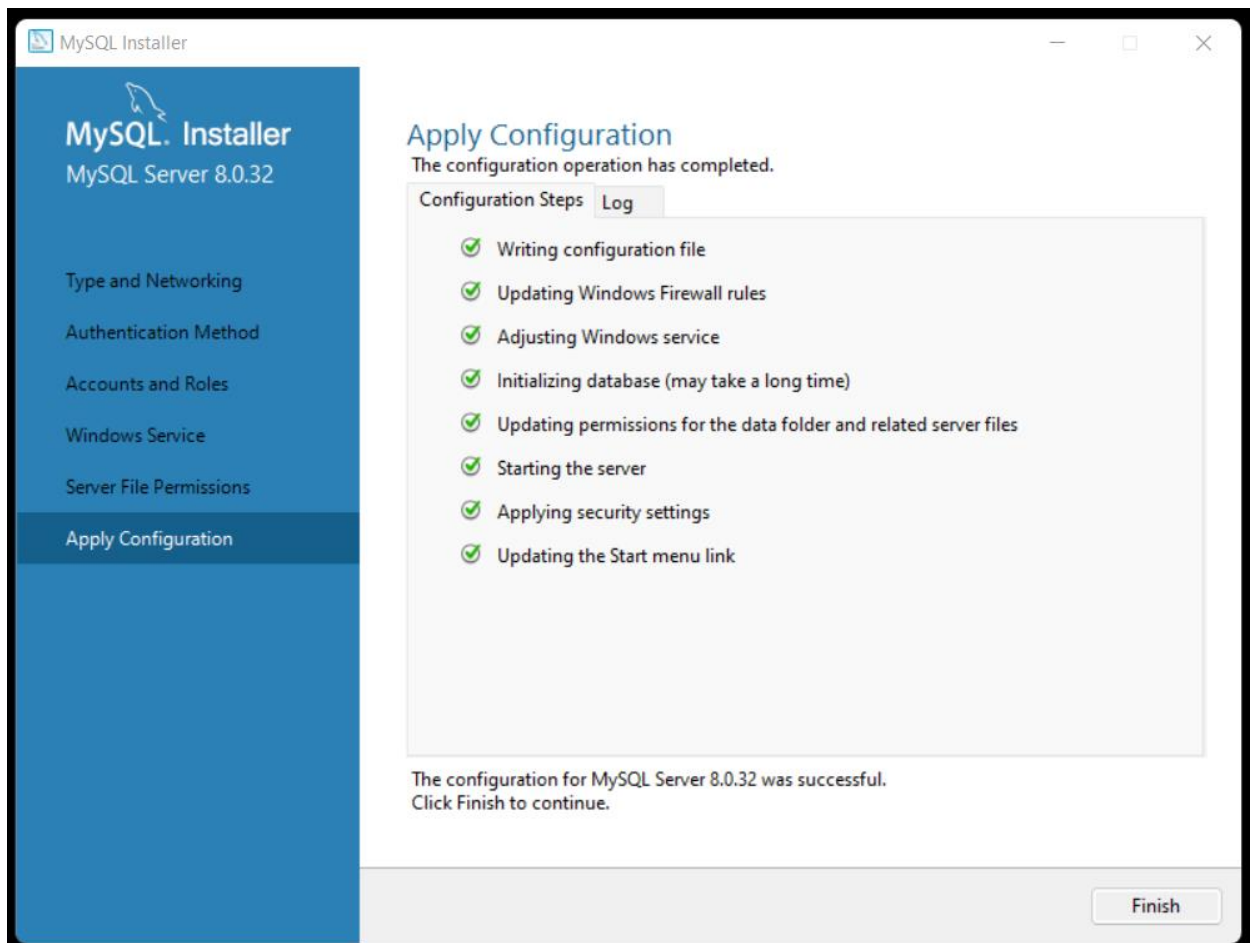
Cancel







8. Click Execute to save configuration



9. Configure Router but leave it as it is without any changes.

MySQL. Installer

Adding Community

Choosing a Setup Type

Installation

Product Configuration

Installation Complete

Product Configuration

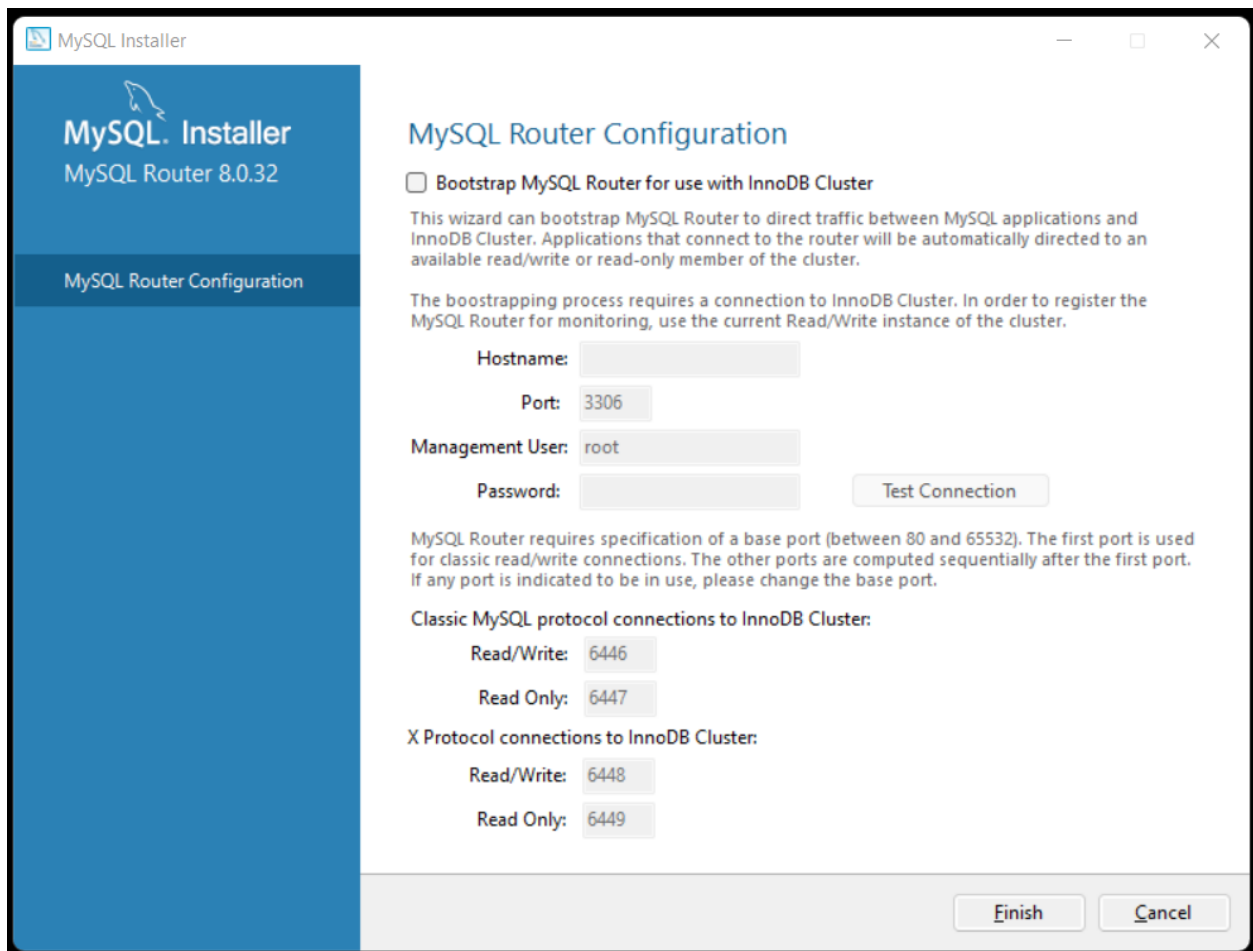
We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

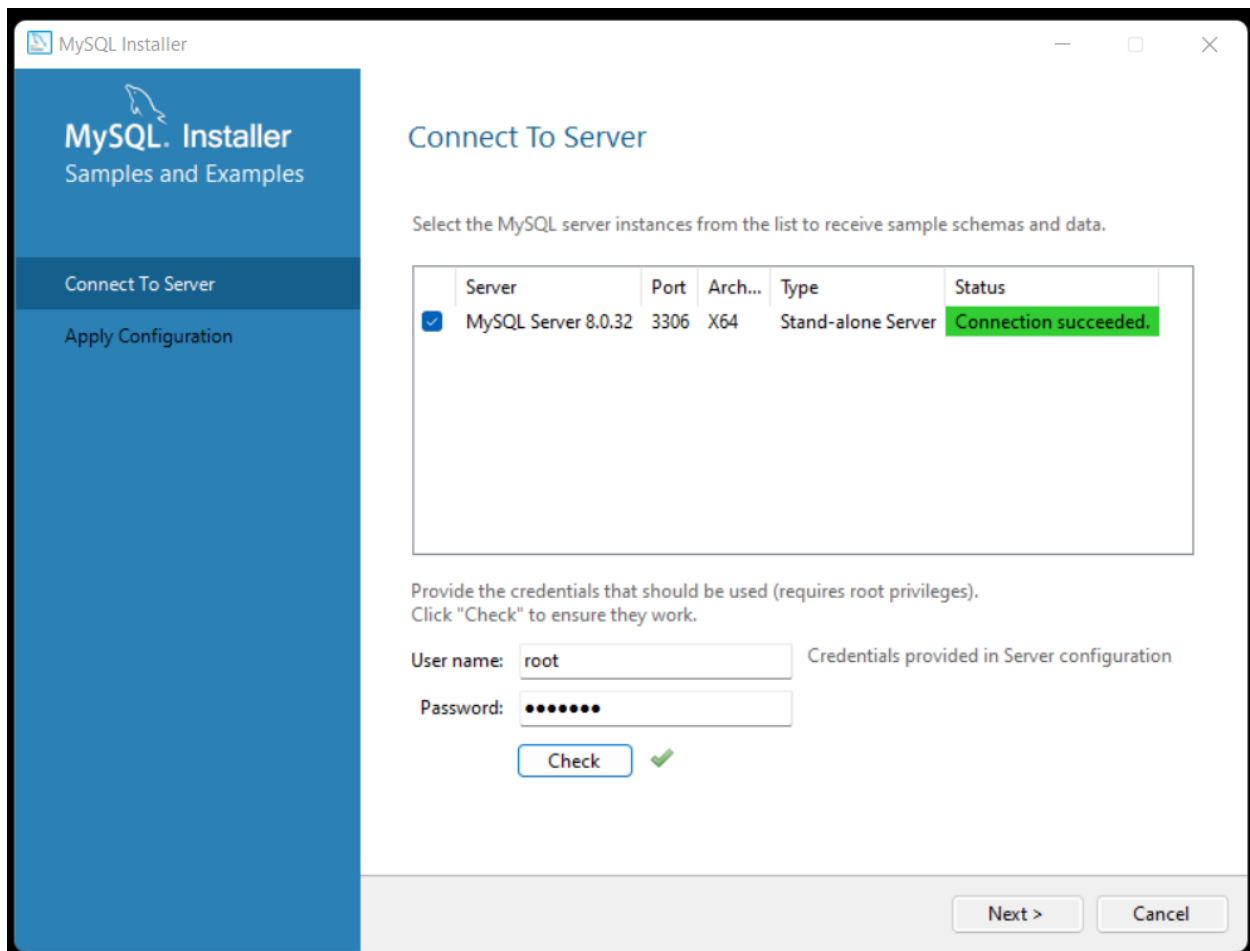
Product	Status
MySQL Server 8.0.32	Configuration complete.
MySQL Router 8.0.32	Ready to configure
Samples and Examples 8.0.32	Ready to configure

Next >

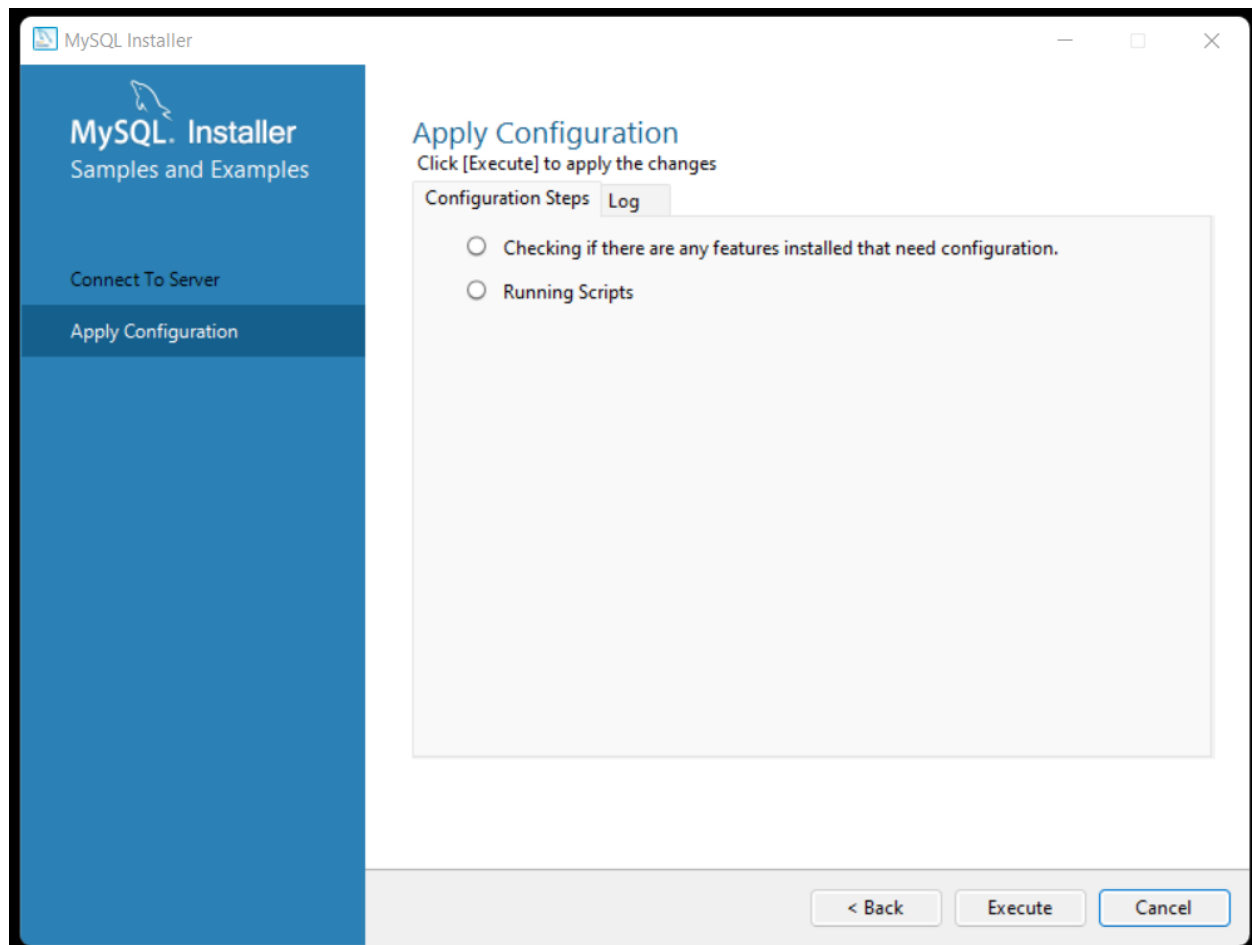
Cancel



10. Configure Samples by typing the password provided in the first configuration to test the connection if its working properly.



11. Execute Configuration





MySQL Installer



MySQL. Installer

Samples and Examples

Connect To Server

Apply Configuration

Apply Configuration

The configuration operation has completed.

Configuration Steps [Log](#)

- ✓ Checking if there are any features installed that need configuration.
- ✓ Running Scripts

The configuration for Samples and Examples 8.0.32 was successful.
Click Finish to continue.

Finish

MySQL. Installer

Adding Community

Choosing a Setup Type

Installation

Product Configuration

Installation Complete

Product Configuration

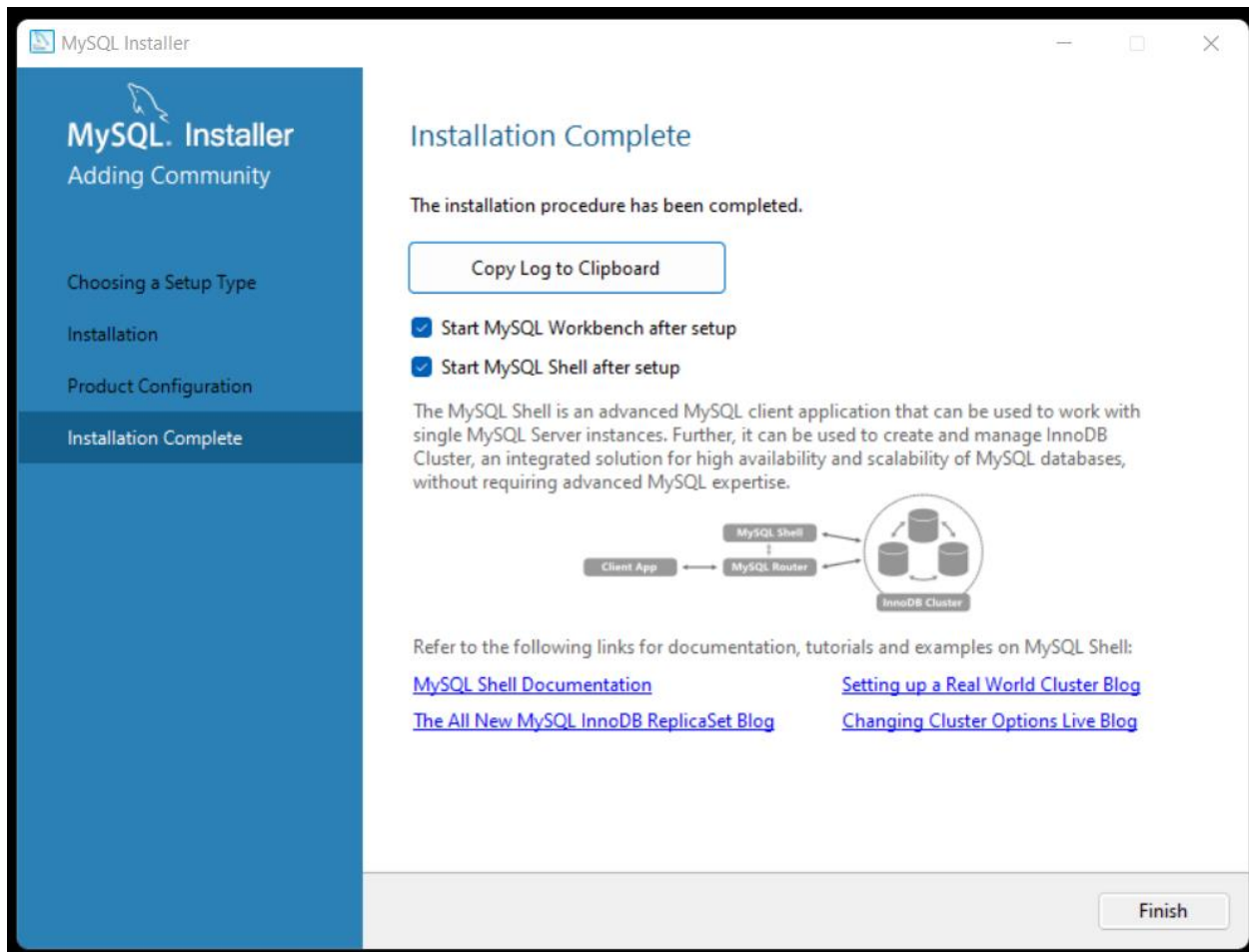
We'll now walk through a configuration wizard for each of the following products.

You can cancel at any point if you wish to leave this wizard without configuring all the products.

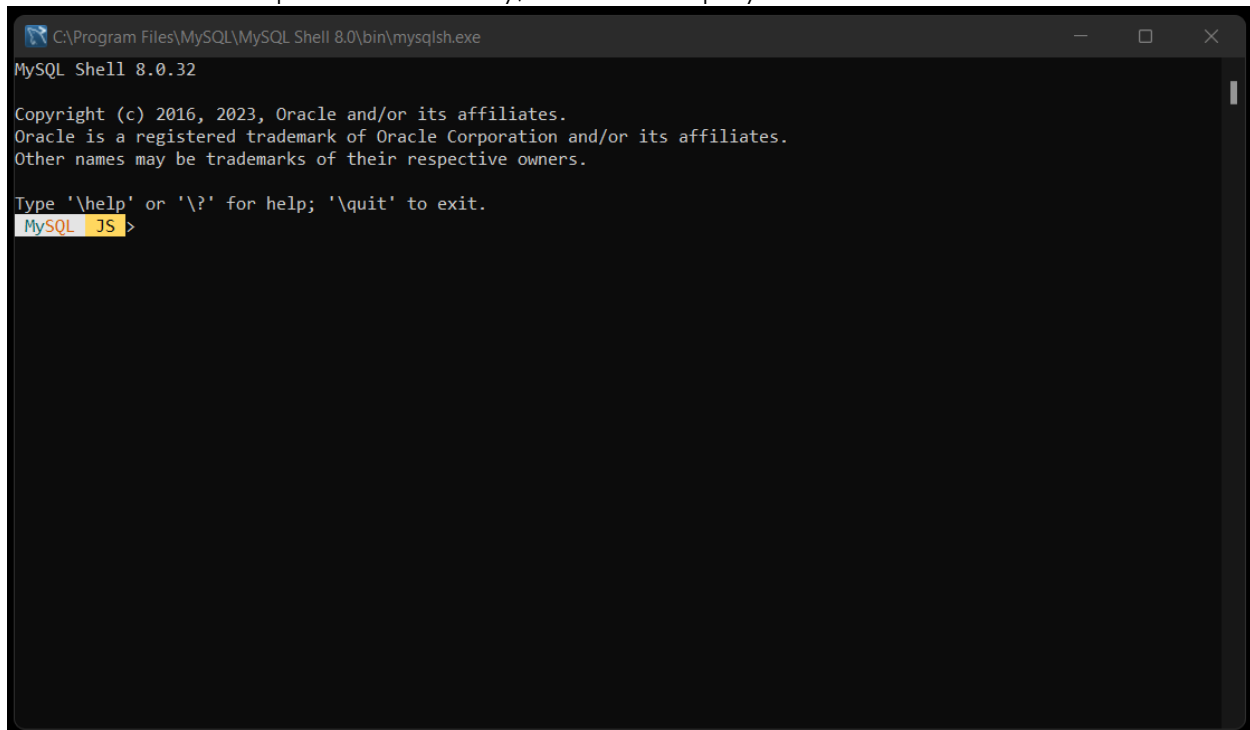
Product	Status
MySQL Server 8.0.32	Configuration complete.
MySQL Router 8.0.32	Configuration not needed.
Samples and Examples 8.0.32	Configuration complete.

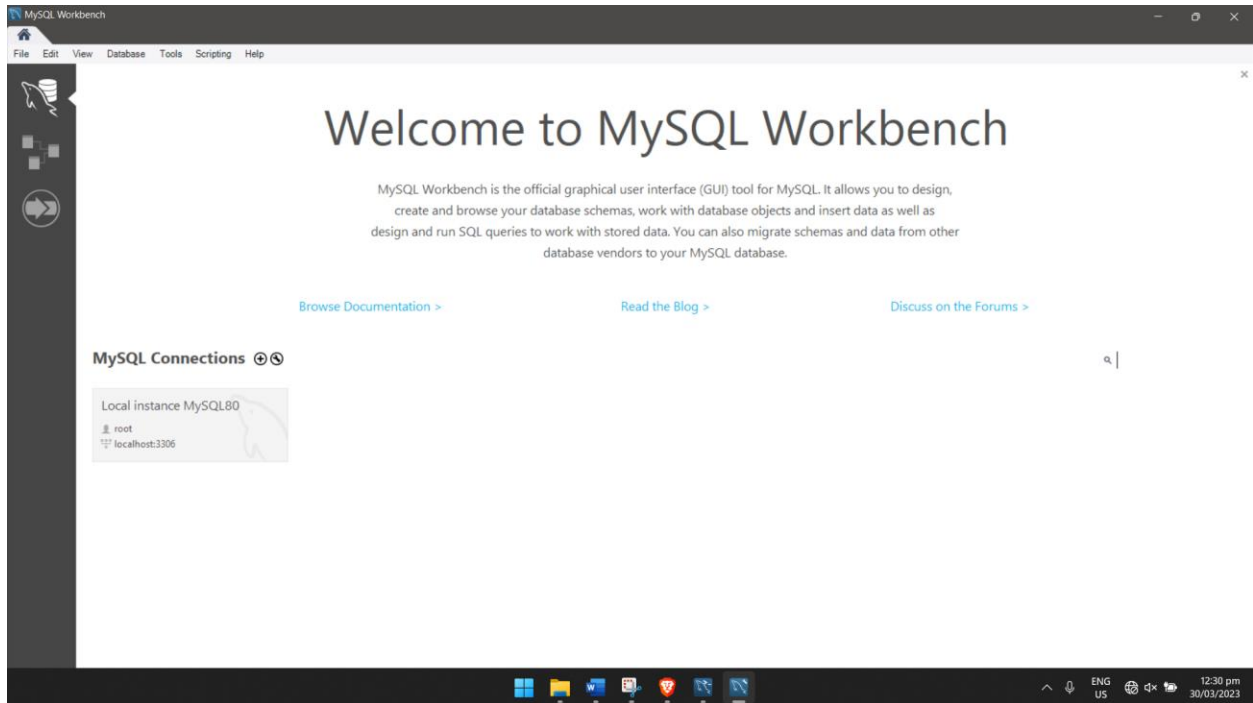
Next >

Cancel

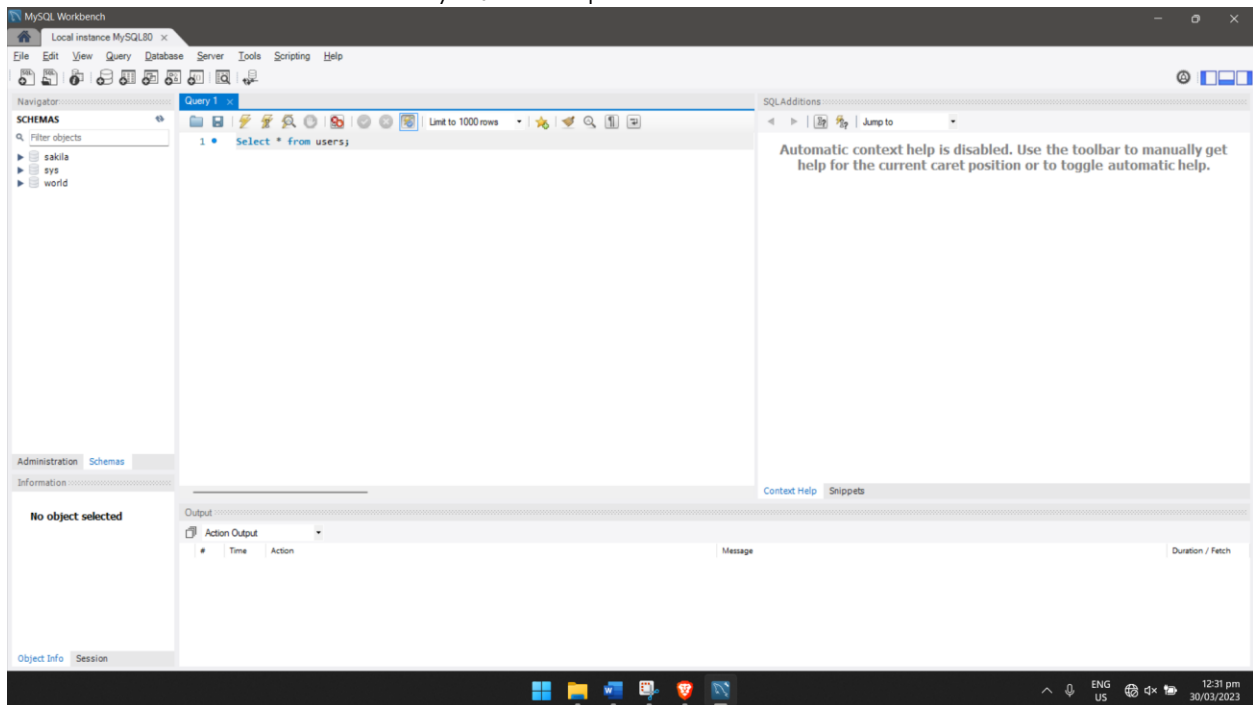


12. If installation is completed successfully, this will be displayed.

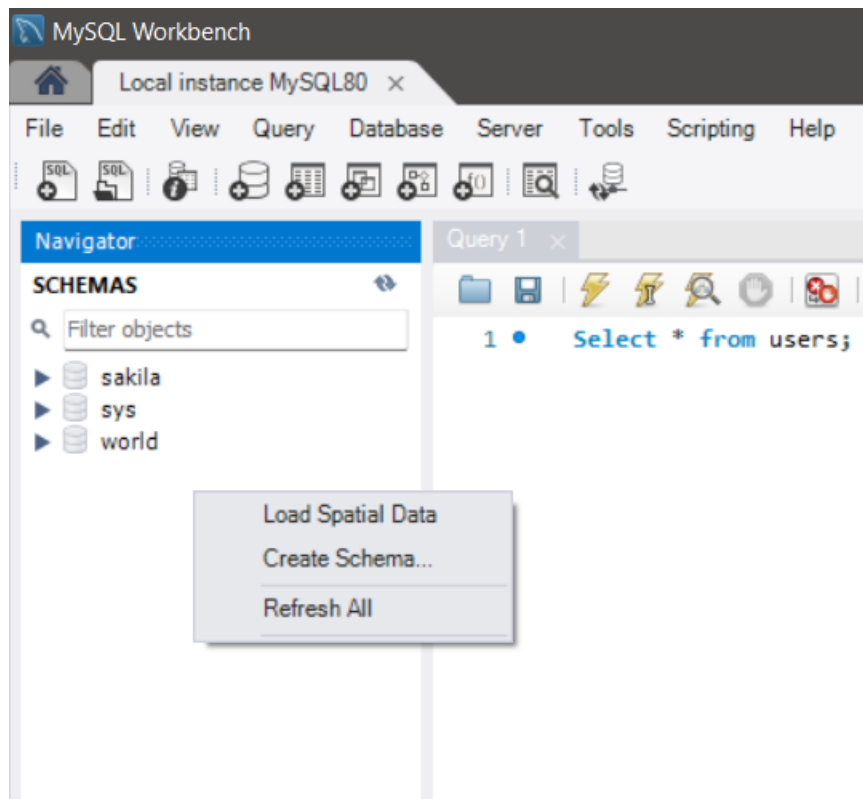




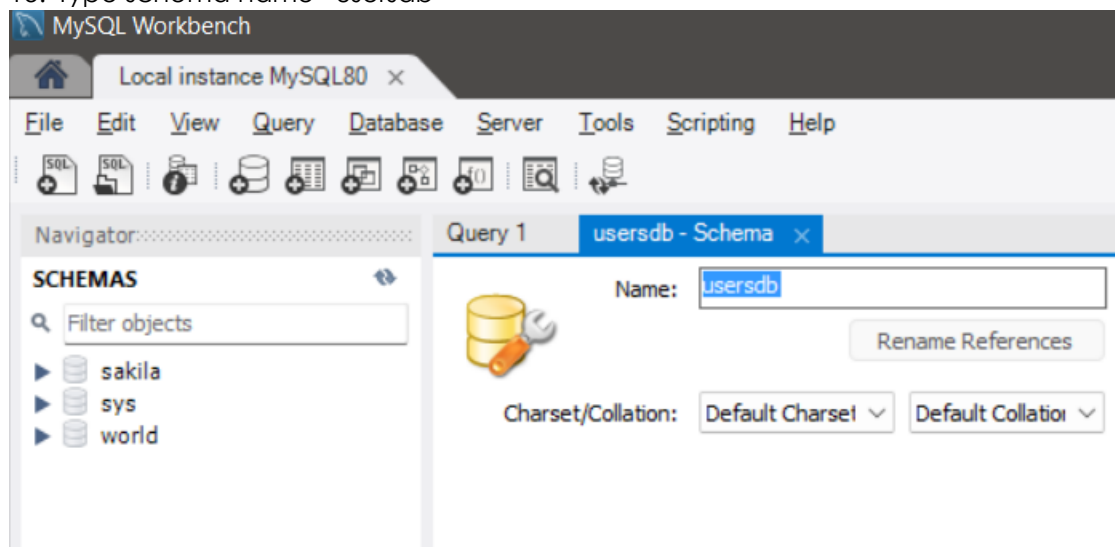
13. Click on the Local instance MySQL80 to open the database workbench administrator



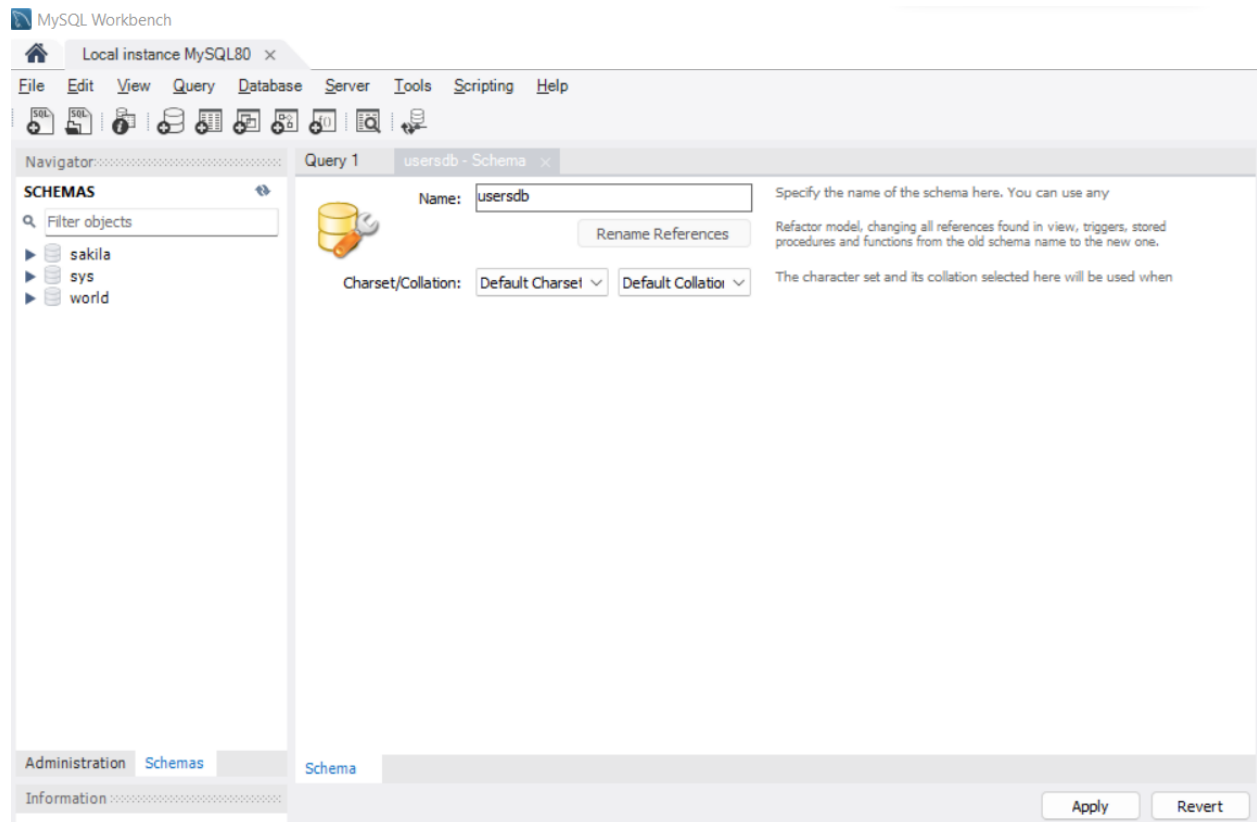
14. Right click on the SCHEMAS Pane and select Create Schema



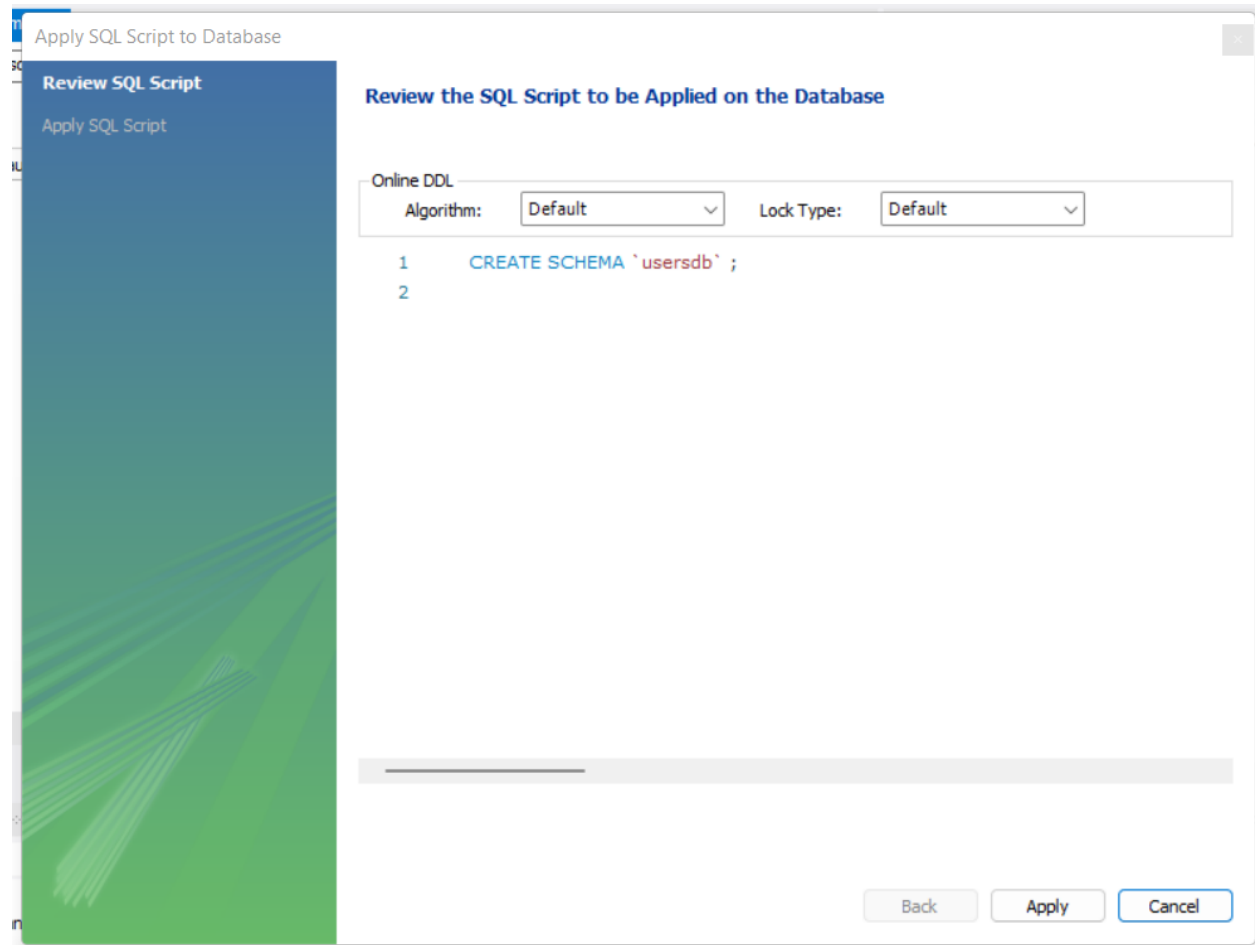
15. Type schema name "usersdb"



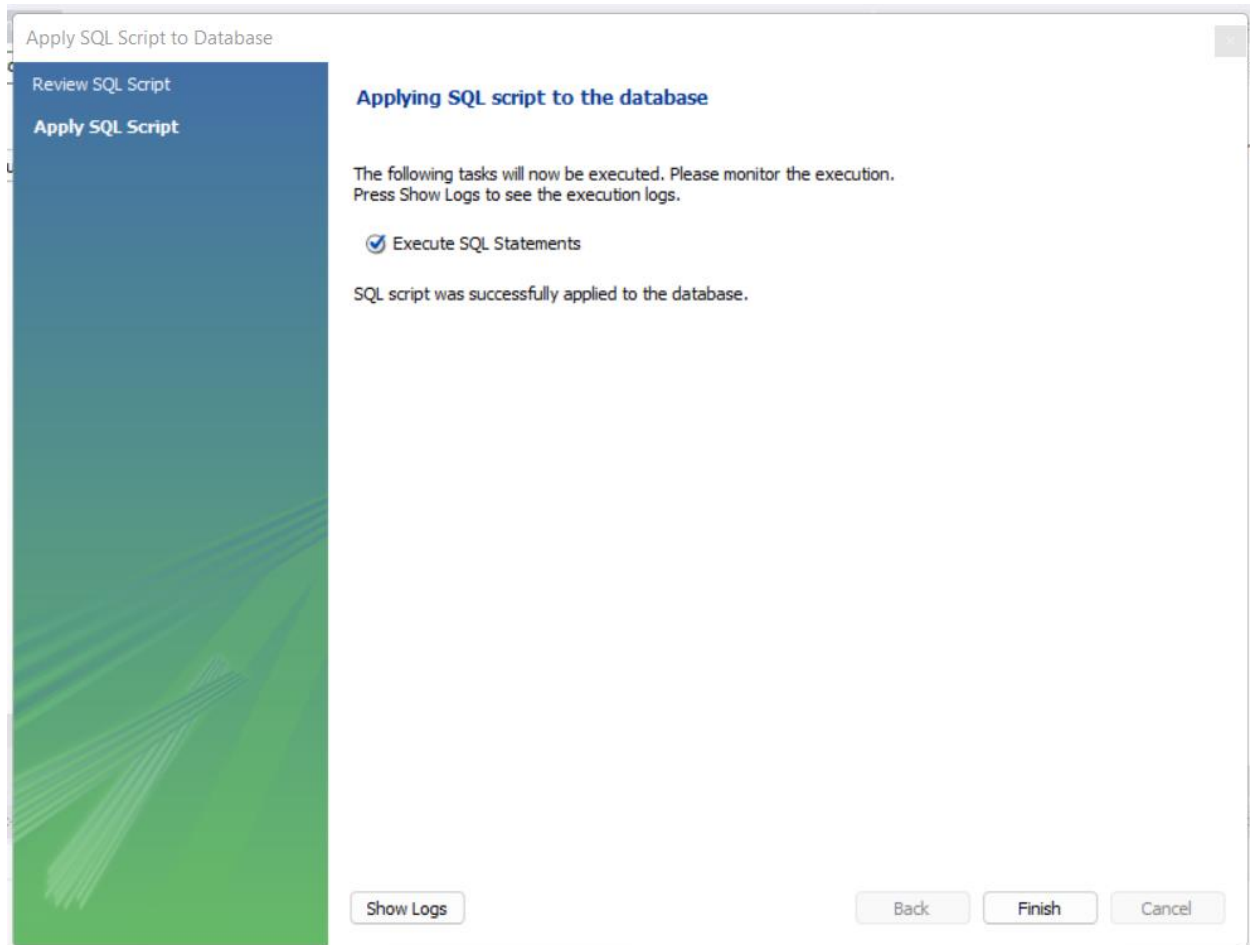
16. Click button Apply



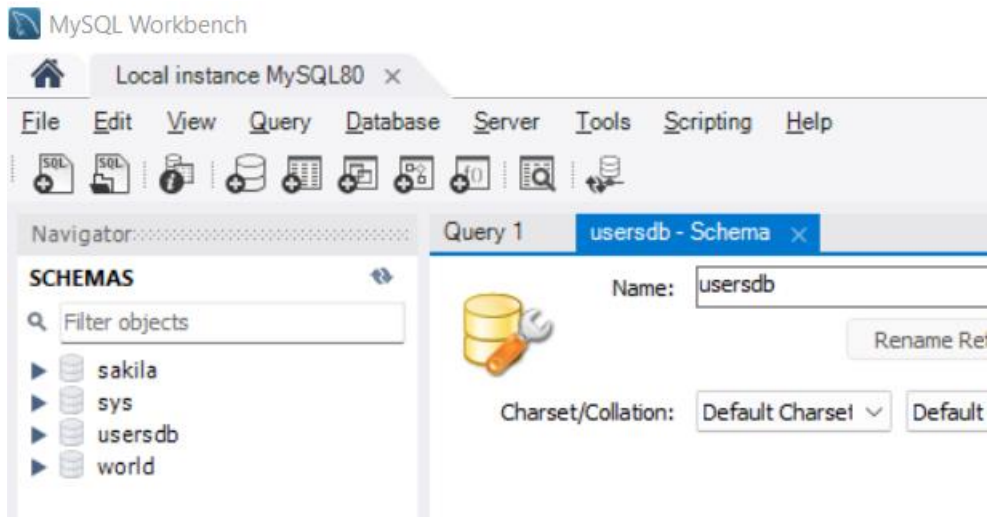
17. Click on Apply to proceed

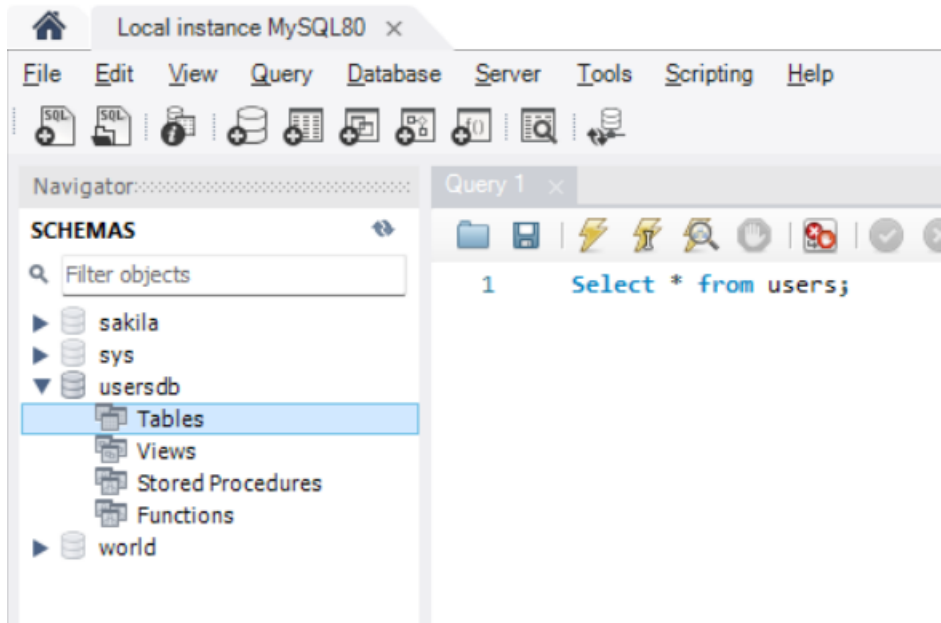


18. Click on Finish button

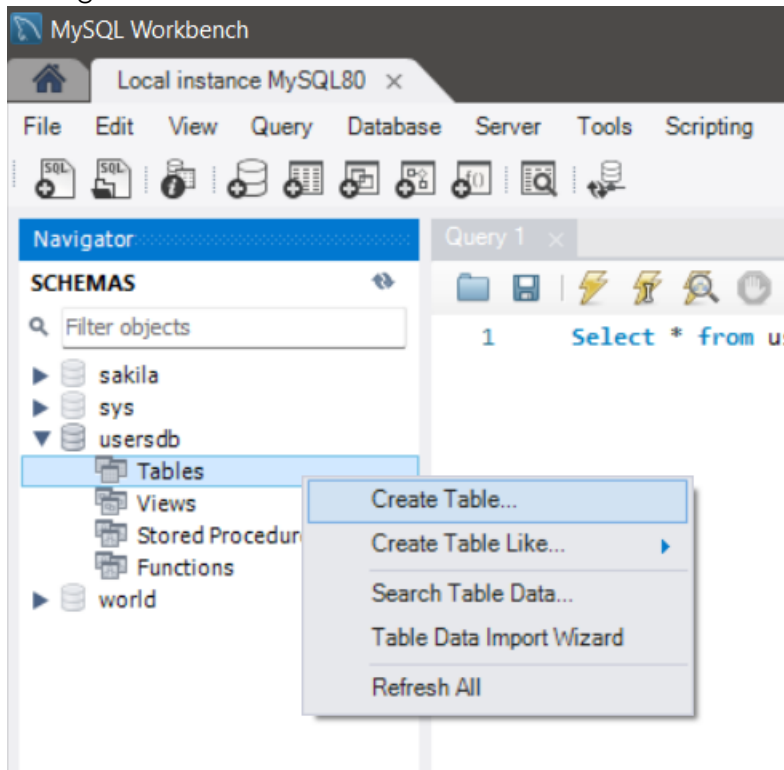


19. Close the schema tab and expand usersdb





20. Right click on Tables to add table.



Navigator:.....

SCHEMAS

Filter objects

- ▶ sakila
- ▶ sys
- ▶ **usersdb**
 - ▶ Tables
 - ▶ **accounts_table**
 - Columns
 - account_id
 - account_name
 - account_passwo
 - account_pic
 - Indexes
 - Foreign Keys
 - Triggers
 - Views
 - Stored Procedures
 - Functions
 - ▶ world

accounts_table accounts_table - Table x

Table Name: Schema: **usersdb**

Charset/Collation: Engine:

Comments:

Column Name	Datatype	PK	NN	UQ	B	UN	ZF	AI	G	Default/Expression
account_id	VARCHAR(5)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
account_name	LONGTEXT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
account_password	VARCHAR(8)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
account_pic	LONGTEXT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	NULL

Column Name: Data Type:

Charset/Collation: Default:

Comments:

Storage: ☐ Virtual ☐ Stored

☐ Primary Key ☐ Not Null ☐ Unique

☐ Binary ☐ Unsigned ☐ Zero Fill

☐ Auto Increment ☐ Generated

Administration **Schemas**

Columns Indexes Foreign Keys Triggers Partitioning Options

Information:.....

Apply Revert

In the picture above the table name is "accounts_table" and the fields are:

account_id	varchar(5) Primary Key (PK) Not Null (NN)
account_name	longtext Not Null (NN)
account_password	varchar(8) Not Null (NN)
account_pic	longtext Not Null(NN)

Primary Key means it is a Unique ID, while Not Null means it cant be left as blank, it will always needs a value.

After setting the table according to the picture above click on Apply button to complete the table creation.

Review SQL Script

Apply SQL Script

Review the SQL Script to be Applied on the Database

Online DDL

Algorithm:

Default

Lock Type:

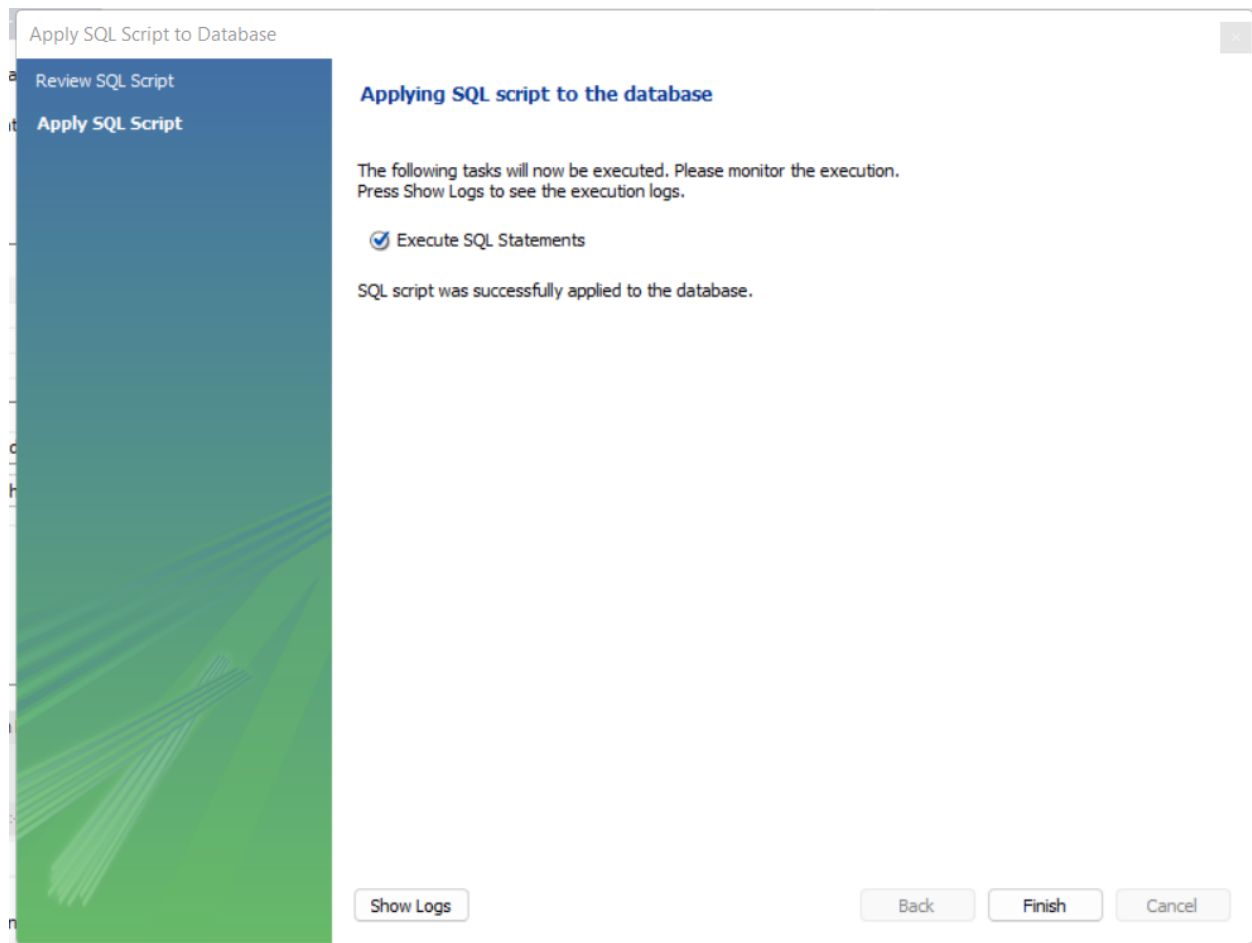
Default

```
1 CREATE TABLE `usersdb`.`accounts_table` (  
2   `account_id` VARCHAR(5) NOT NULL,  
3   `account_name` LONGTEXT NOT NULL,  
4   `account_password` VARCHAR(8) NOT NULL,  
5   PRIMARY KEY (`account_id`));  
6
```

Back

Apply

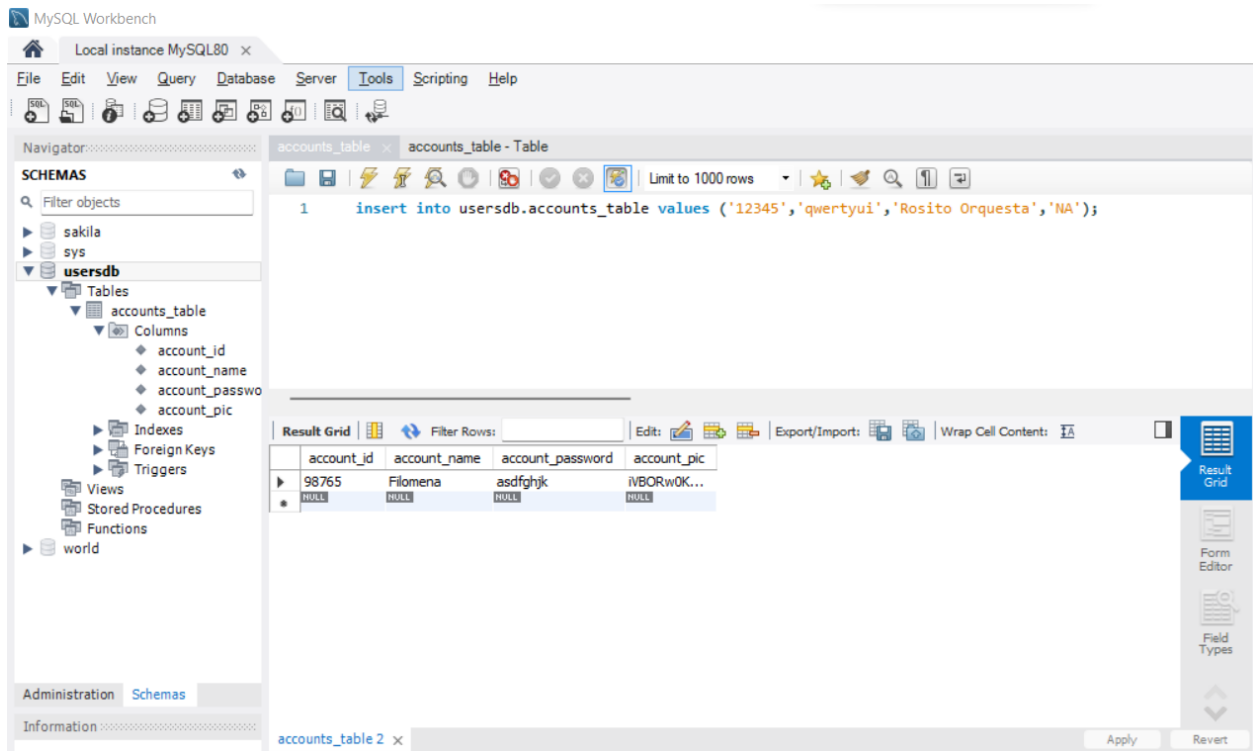
Cancel



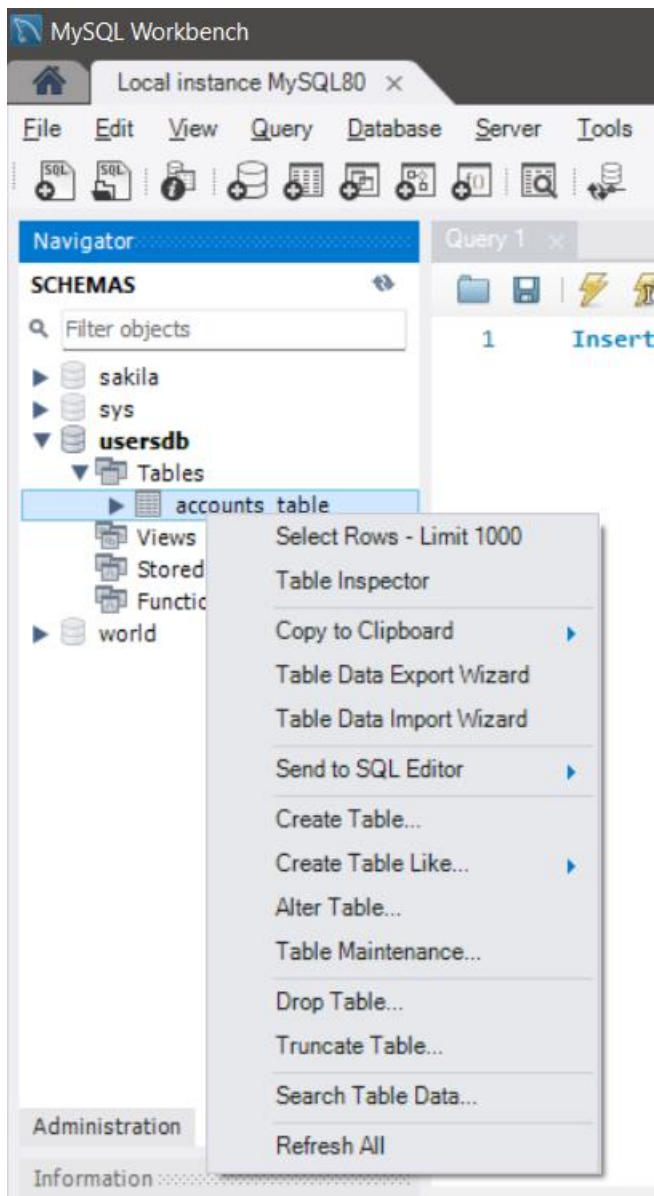
21. Close the account table Tab and add a new row of information in your table with this query

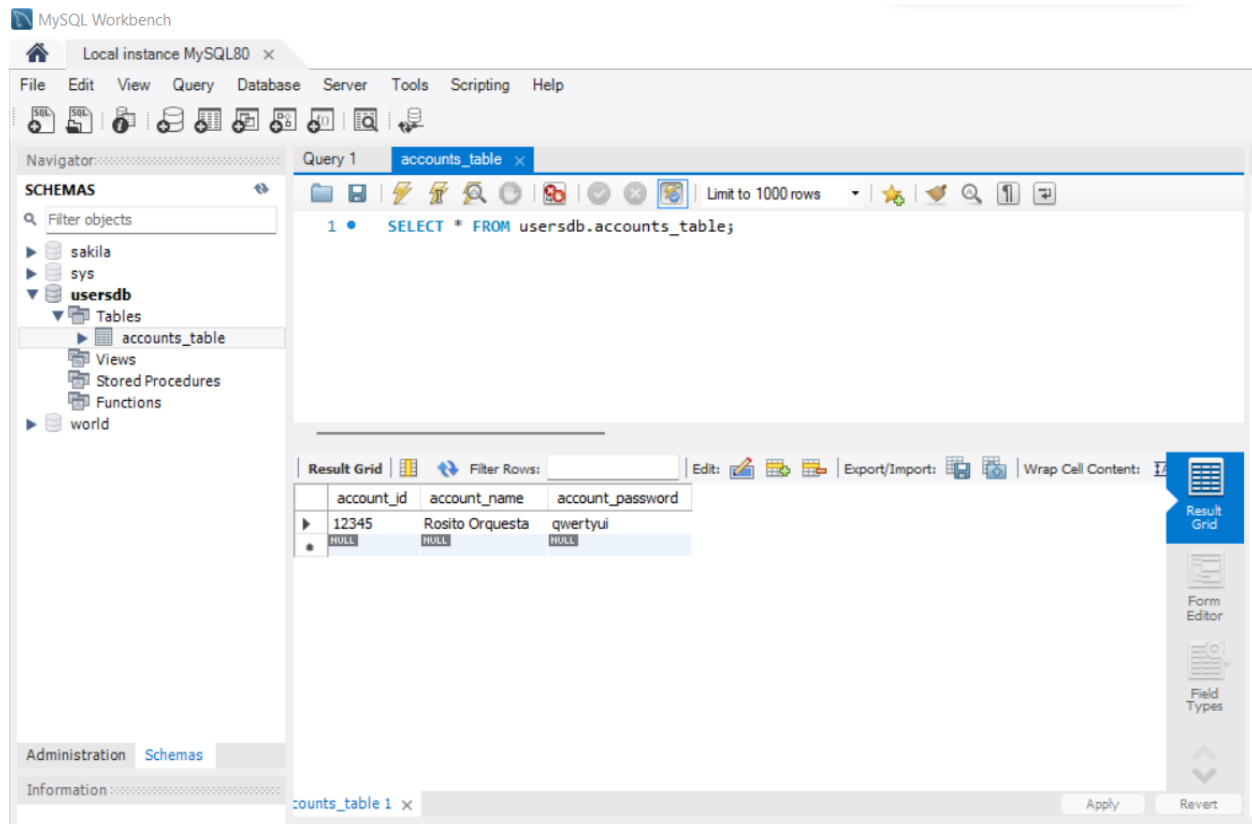
Insert into accounts_table values('12345','Rosito Orquesta','qwertyui');

Hit Apply Button to run the query and save in information in the database table.



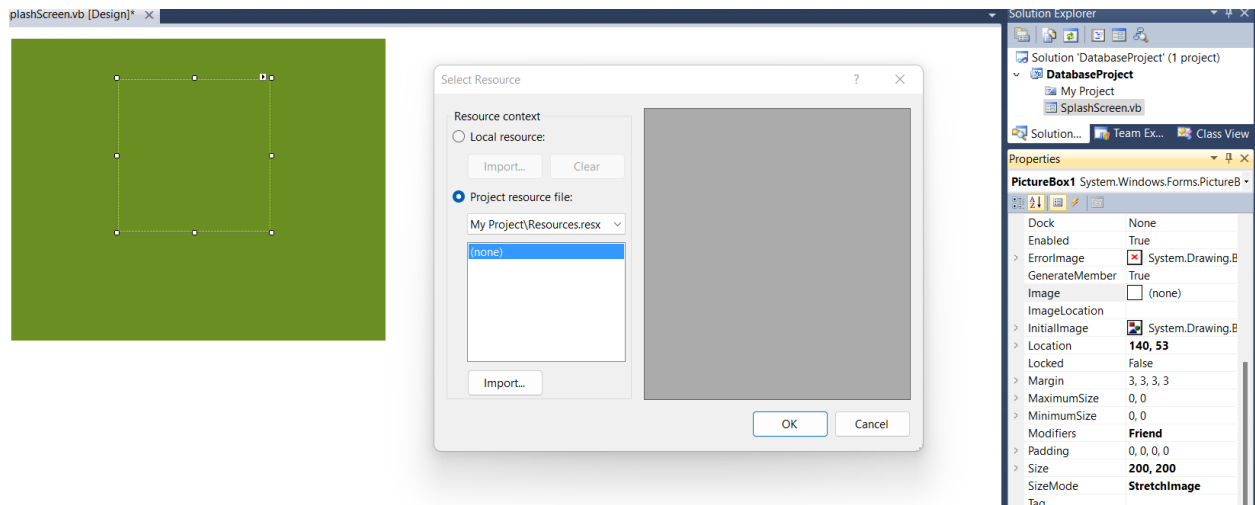
22. Right click on accounts_table and select the first option "Select Rows – Limit 1000 to check if the newly added information is there.



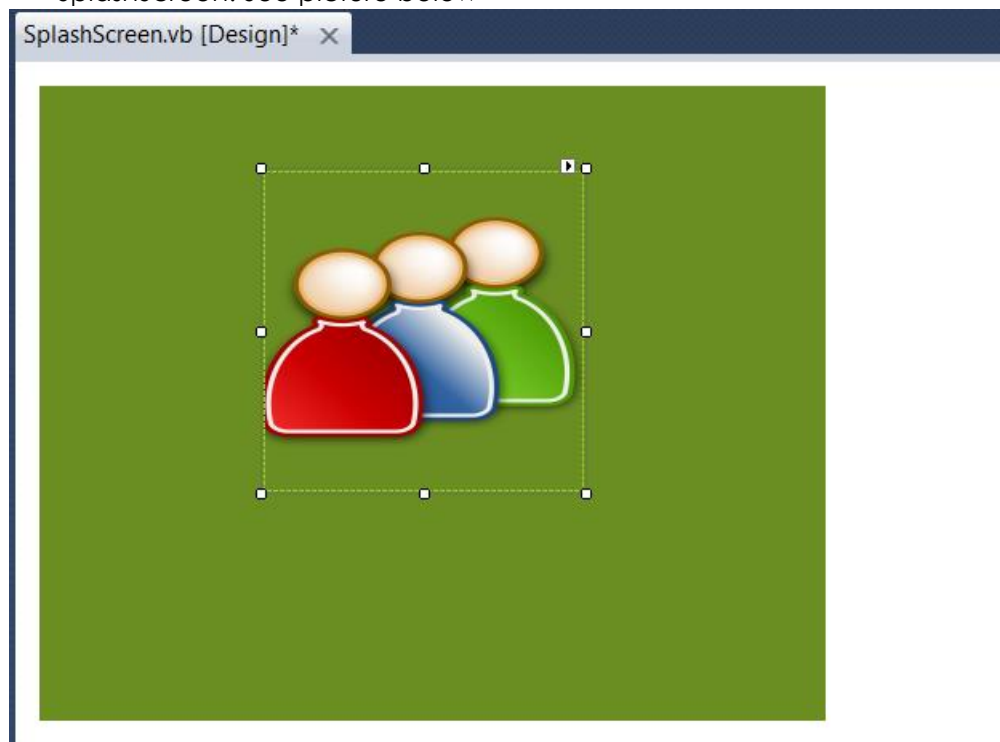


STEPS VB.Net Windows Forms Application

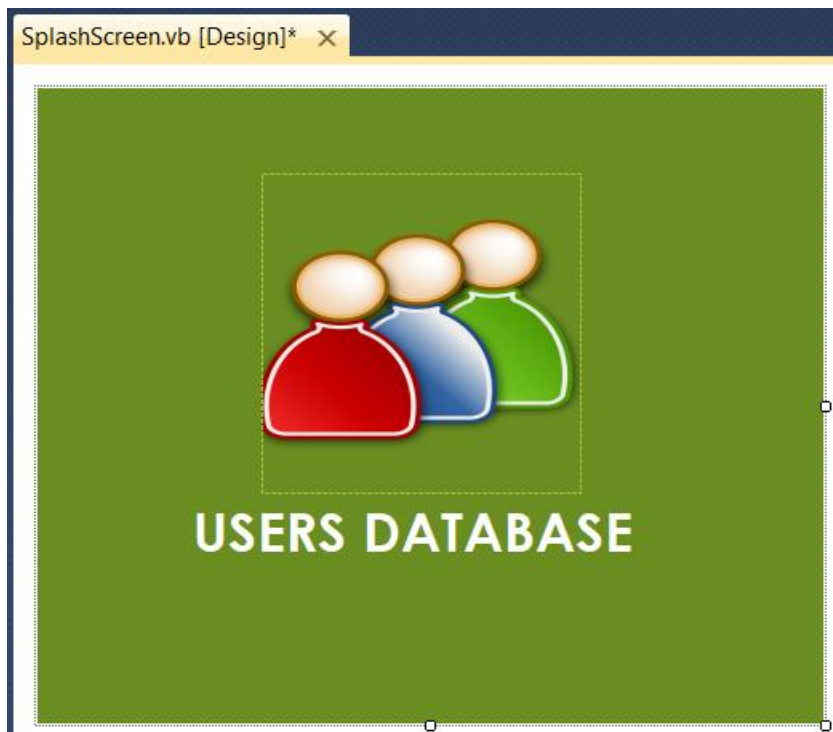
1. Create a new Project in VB.Net 2010 and name it "**DatabaseProject**"
2. Rename your **Form1.vb** into **SplashScreen.vb** in the **File Name** attribute in its **Properties**.
3. Select SplashScreen.vb form and set the following properties:
 - BackColor = White
 - ControlBox = False
 - Font = Century Gothic , Regular, 8
 - FormBorderStyle = None
 - ShowInTaskbar = False
 - StartPosition = Center
4. From Component Toolbox, add a Timer on your SplashScreen form and change setting **Enabled** to **True**
5. Add a PictureBox in your SplashScreen and set the properties below:
 - Size = 200,200
 - SizeMode = StretchImage
6. With the PictureBox selected click on Image in the properties to browse the image to be displayed.



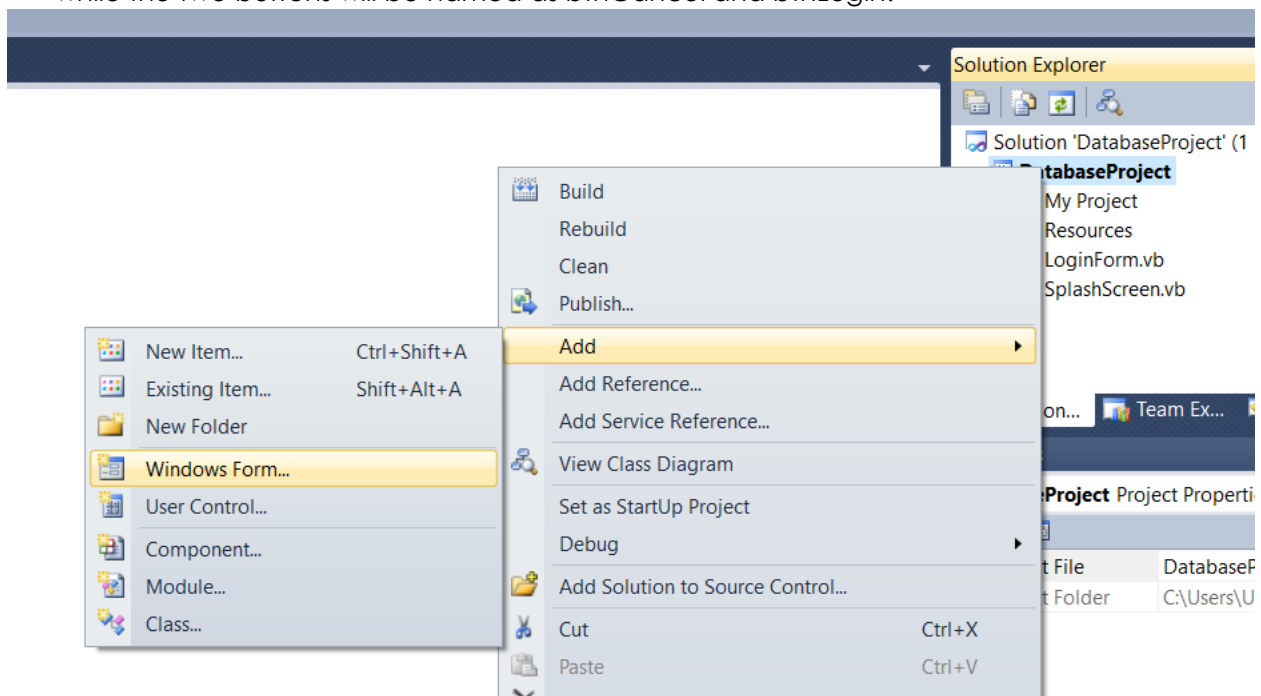
7. Click on Import and brows the image, then click on OK to finish adding the image to your SplashScreen. See picture below

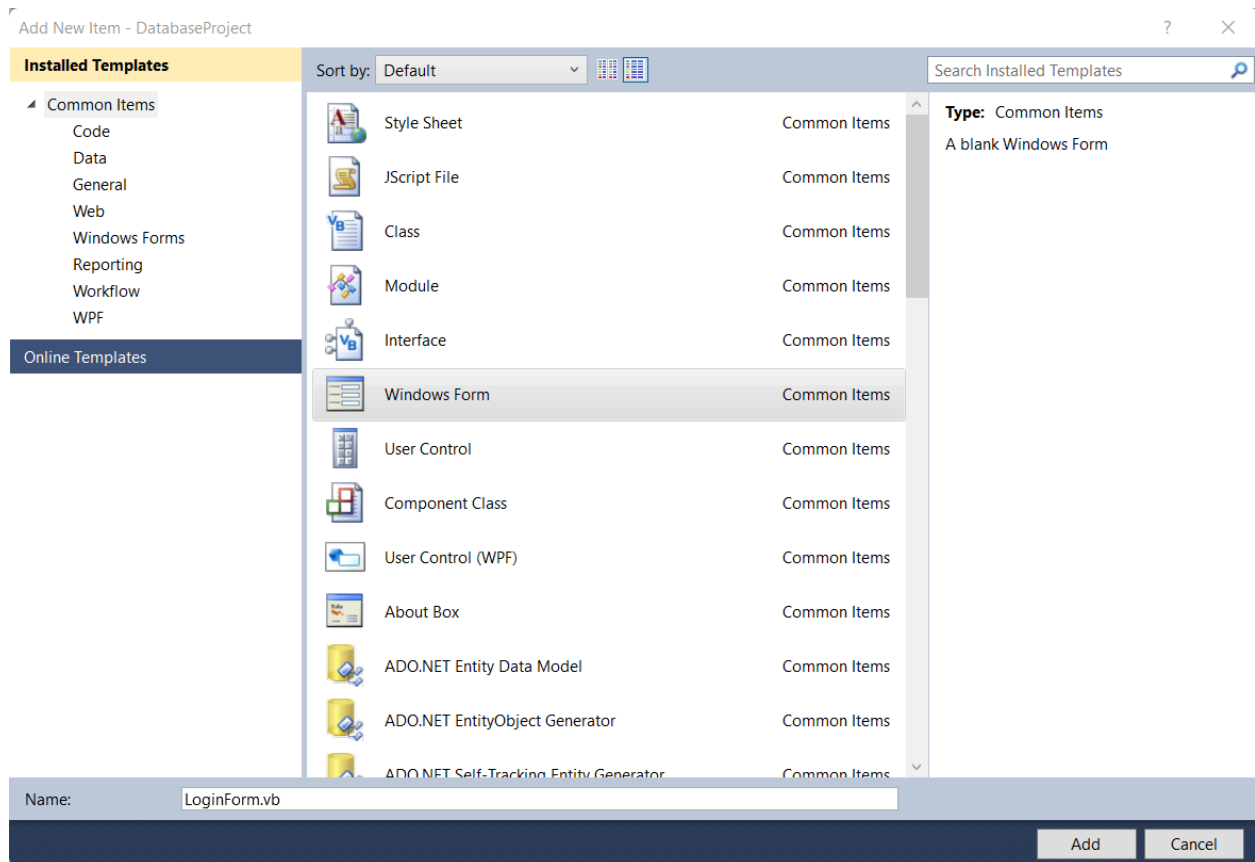


8. Add a label, change the Text into "USERS DATABASE", ForeColor to White, and Font to Century Gothic, Bold, 20.



9. Add a ProgressBar into your SplashScreen and change in the setting its property Step from 10 to 1.
10. Add a new Windows Form, name it LoginForm.vb and design it according to the image below. Make sure the name of the textboxes are txtAccountID and txtAccountPassword while the two buttons will be named as btnCancel and btnLogin.





The 'Account Authentication' window features a green background. At the top left is a logo with three stylized figures. To its right is the text 'USERS DATABASE' in bold, with 'Recording System' in italics below it. Below this, there are two text input fields: 'Account ID' and 'Account Password'. Each field has a small icon to its left (a lock for ID and a key for password). At the bottom, there are two buttons: 'CANCEL' with a red 'X' icon and 'LOGIN' with a green checkmark icon.

Properties:

txtAccountID

- MaxLength = 5
- Font = Century Gothic, Regular, 10

txtAccountPassword

- MaxLength = 8
- Font = Century Gothic, Regular, 10
- PasswordChar = *

btnCancel and btnLogin

- ImageAlign = MiddleLeft
- TextAlign = MiddleRight

11. Add another Windows Form and name it MainForm.vb with all the textboxes, buttons, and listview like below

PictureBox = Name: imgPhoto

Button = Name: btnBrowse

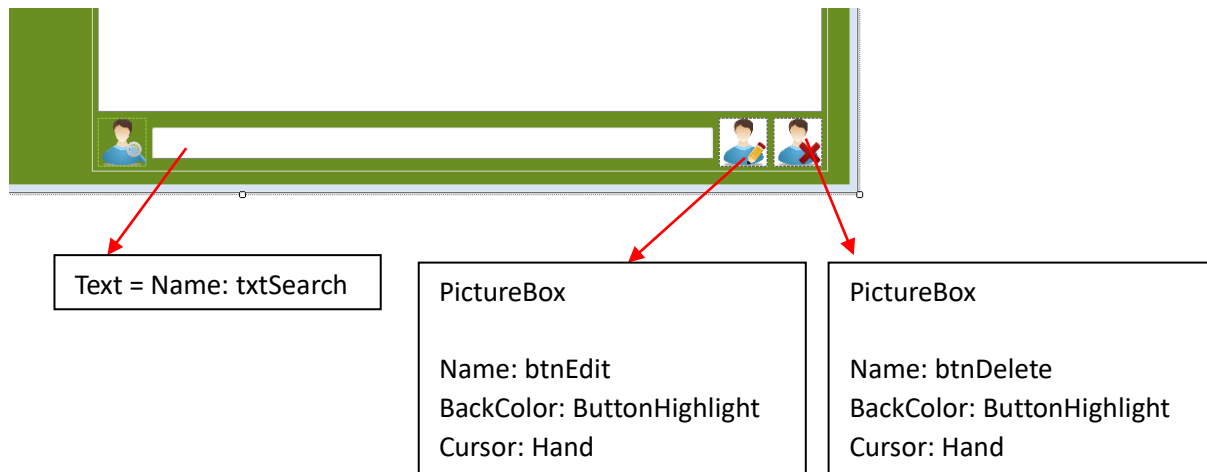
Button = Name: btnClear

Text = Name: txtUserID

Text = Name: txtUsername

Text = Name: txtUserPassword, PasswordChar: *

Button = Name: txtSaveInfo



USERS DATABASE MANAGEMENT SYSTEM

September 30, 2023 | 12:12:12 PM
WELCOME ROSITO ORQUESTA

ACCOUNT INFORMATION

BROWSE

USER ID:

USER NAME:

USER PASSWORD:

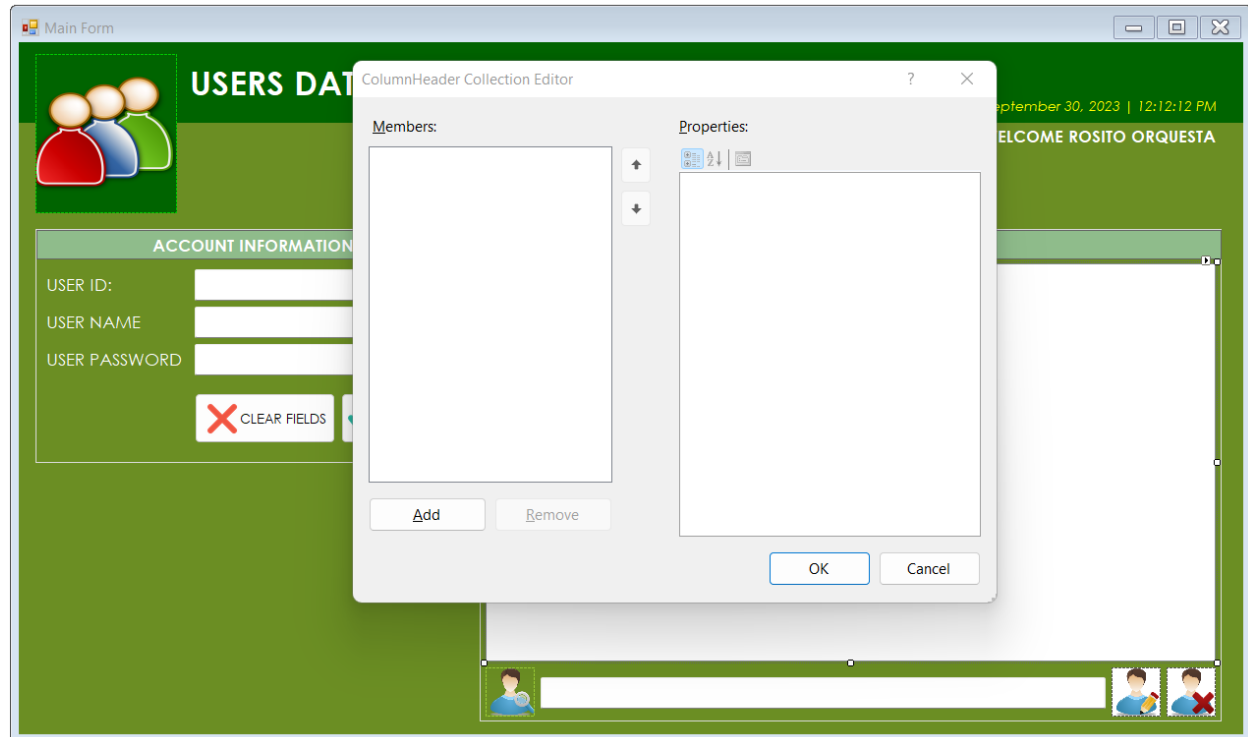
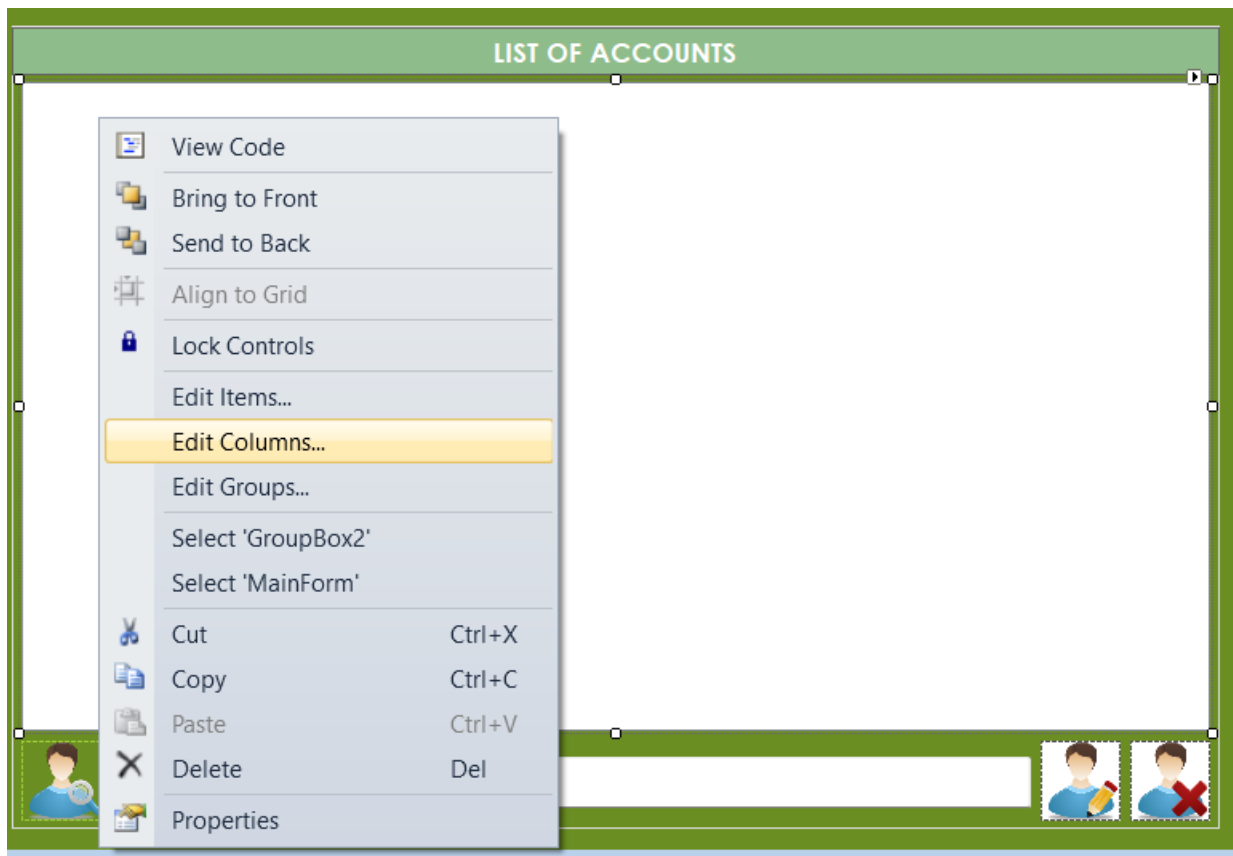
LIST OF ACCOUNTS

Label: Name = lblTimer

Listview: Name = lvAccounts

Label: Name = lblWelcome

12. Right click on the Listview and select Edit Columns



13. Click on Add to add three columns
14. Click each added columns and change the text accordingly as {USER ID, ACCOUNT NAME, PASSWORD} with column width {150, 300, 200} then click OK Button After

ColumnHeader Collection Editor

Members:

0	ColumnHeader1
1	ColumnHeader2
2	ColumnHeader3

↑

↓

Add

Remove

ColumnHeader1 properties:

Behavior

DisplayIndex0

Data

(ApplicationSetti

Tag

Design

(Name)ColumnHeader1

GenerateMemberTrue

ModifiersFriend

Misc

ImageIndex☐ (none)

ImageKey☐ (none)

TextUSER ID

TextAlignLeft

Width60

OK

Cancel

ColumnHeader Collection Editor?×

Members:

0	ColumnHeader1
1	ColumnHeader2
2	ColumnHeader3

↑

↓

Add

Remove

ColumnHeader2 properties:

Behavior

DisplayIndex1

Data

(ApplicationSetting)

Tag

Design

(Name)ColumnHeader2

GenerateMemberTrue

ModifiersFriend

Misc

ImageIndex☐ (none)

ImageKey☐ (none)

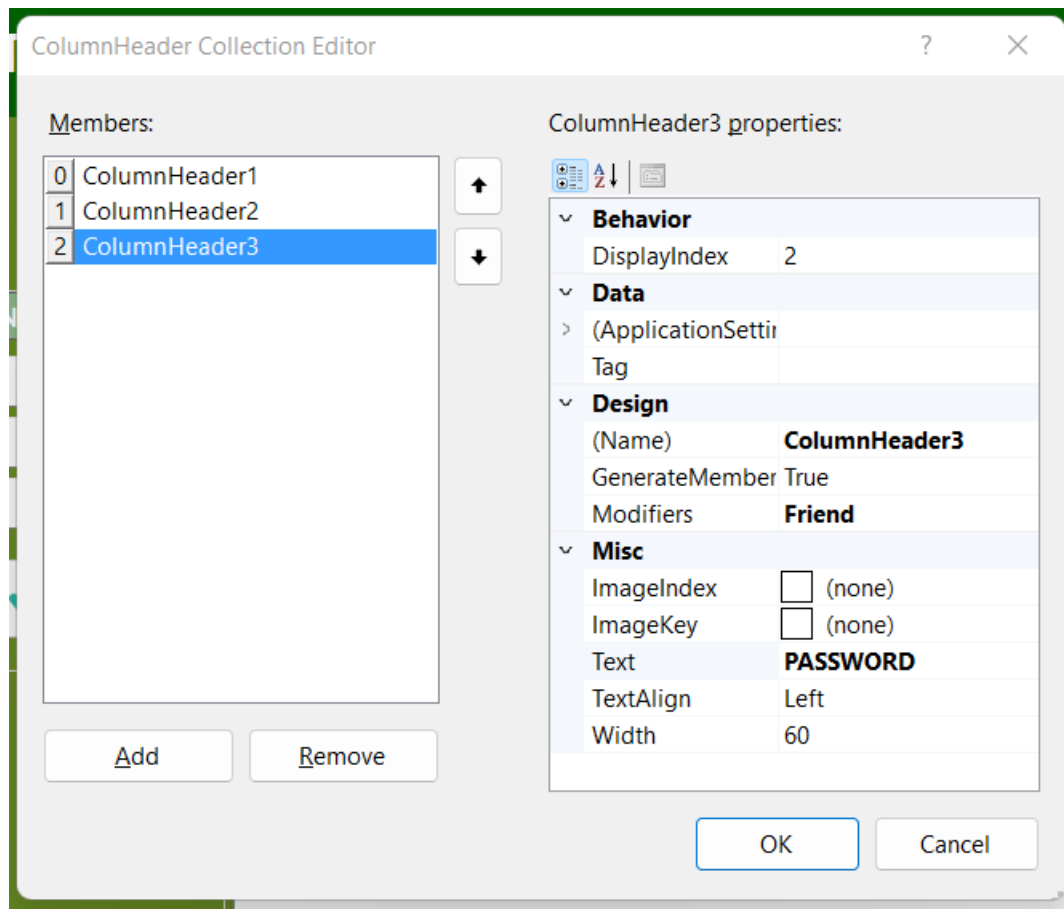
TextACCOUNT NAME

TextAlignLeft

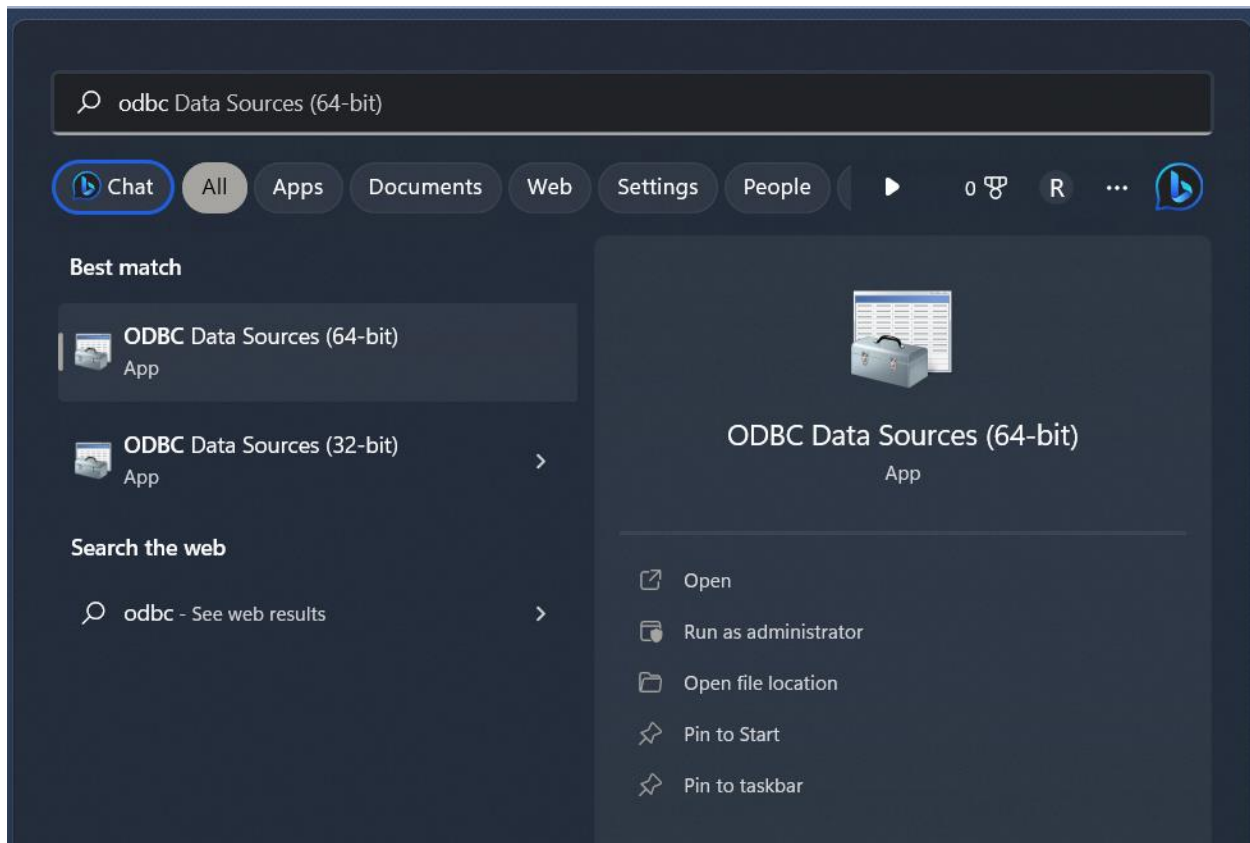
Width60

OK

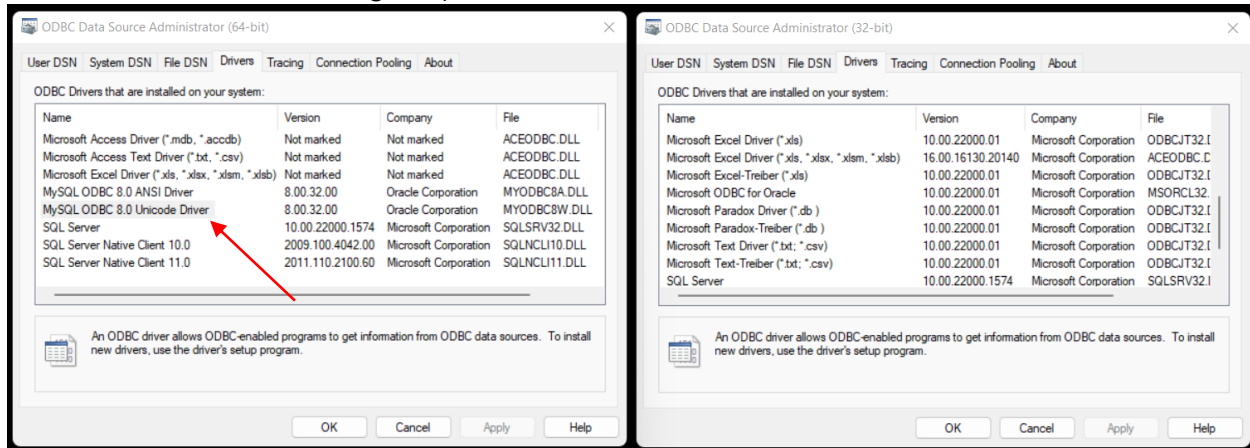
Cancel



15. With the lvAccounts selected change its properties according to the list below:
 - Anchor: Top, Bottom, Left, Right
 - FullRowSelect: True
 - GridLines: True
 - View: Details
16. Adjust the column width manually

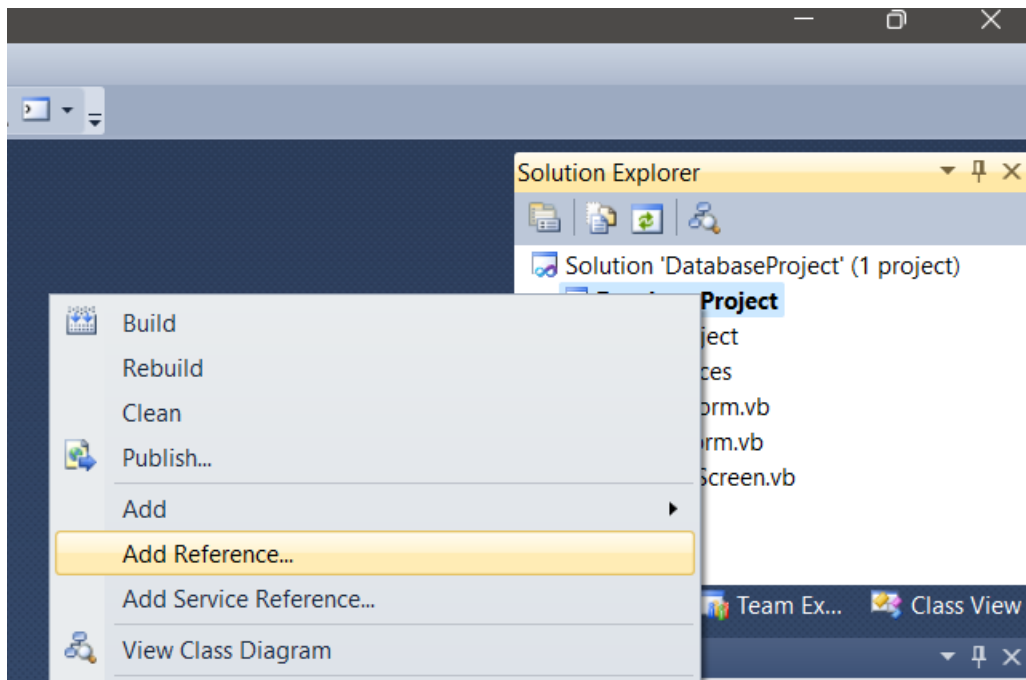


20. The driver we are looking is MySQL ODBC 8.0 Unicode Driver either x86 or x64.

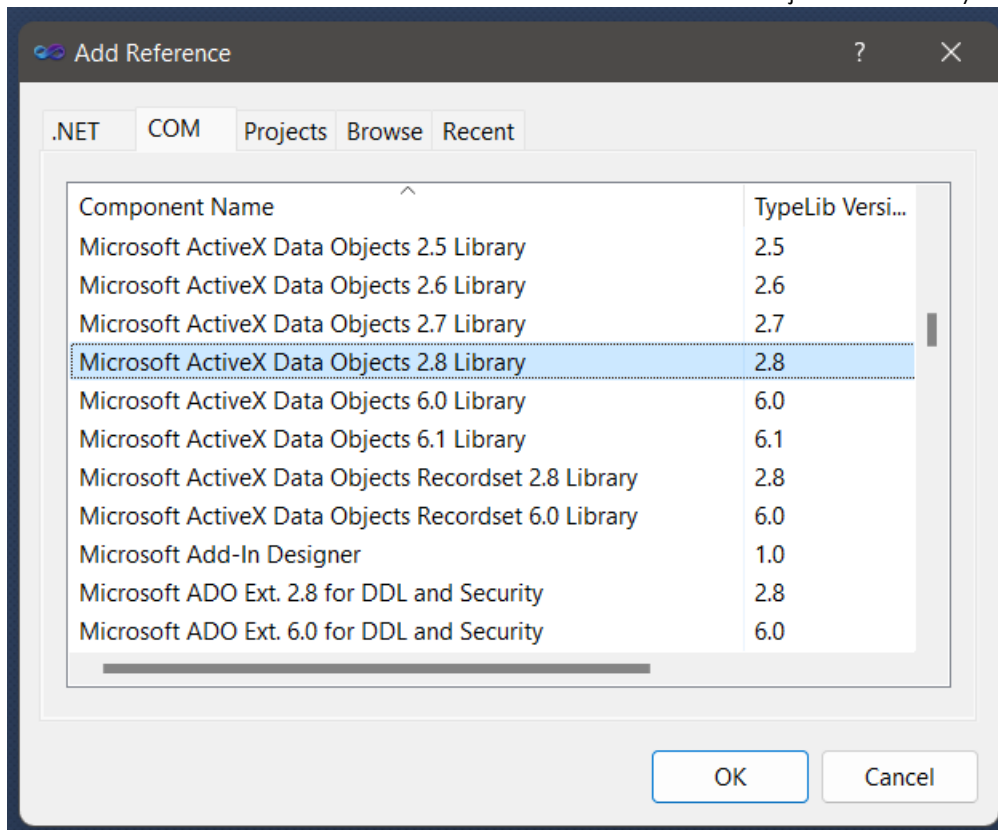


21. If the driver is not present, you can reinstall the MySQL Community 8.0.32.0 msi or you can download it here separately <https://dev.mysql.com/downloads/connector/odbc/>

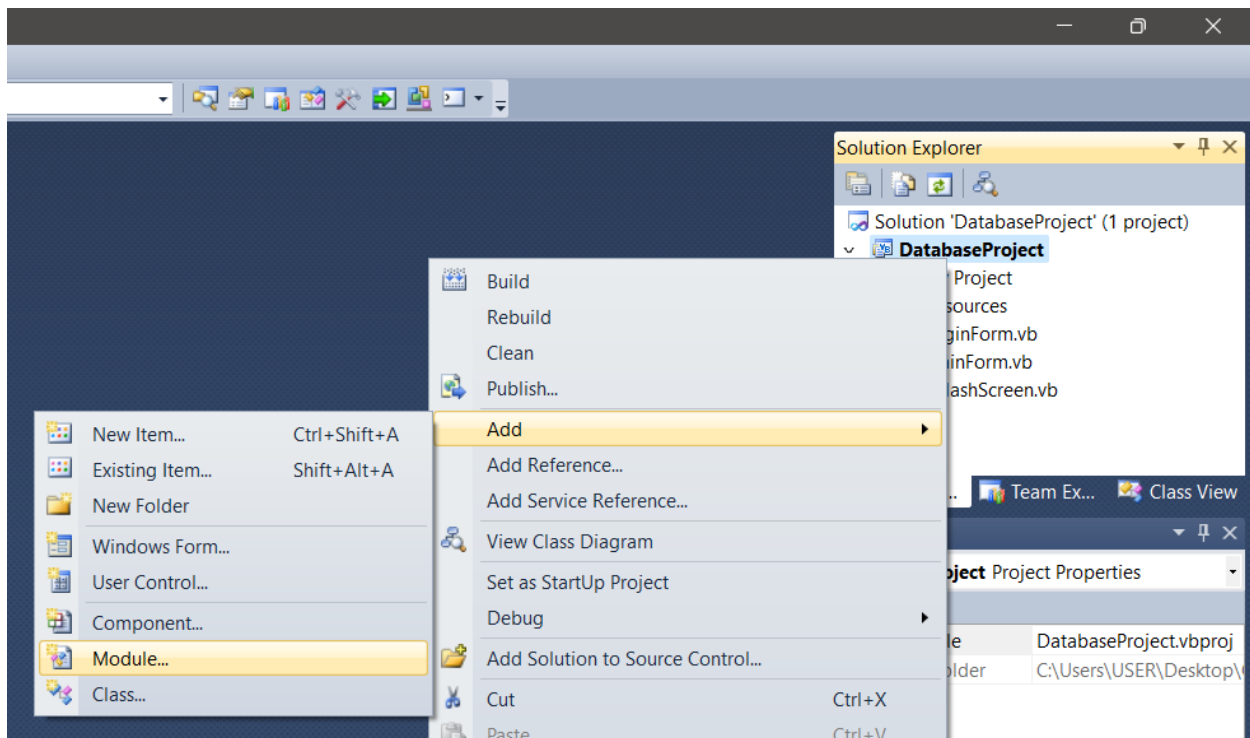
22. Go back to your Visual Studio, right click on your solution and select Add Reference



23. Select COM Tab and look for Microsoft ActiveX Data Object 2.8 Library and click OK

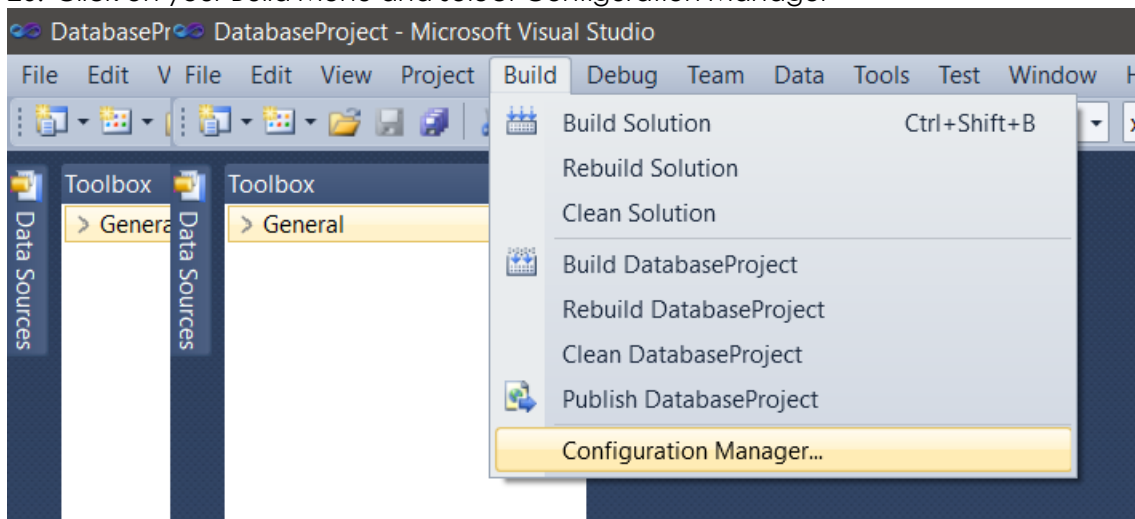


24. Right click on your solution and select Add, then select Module

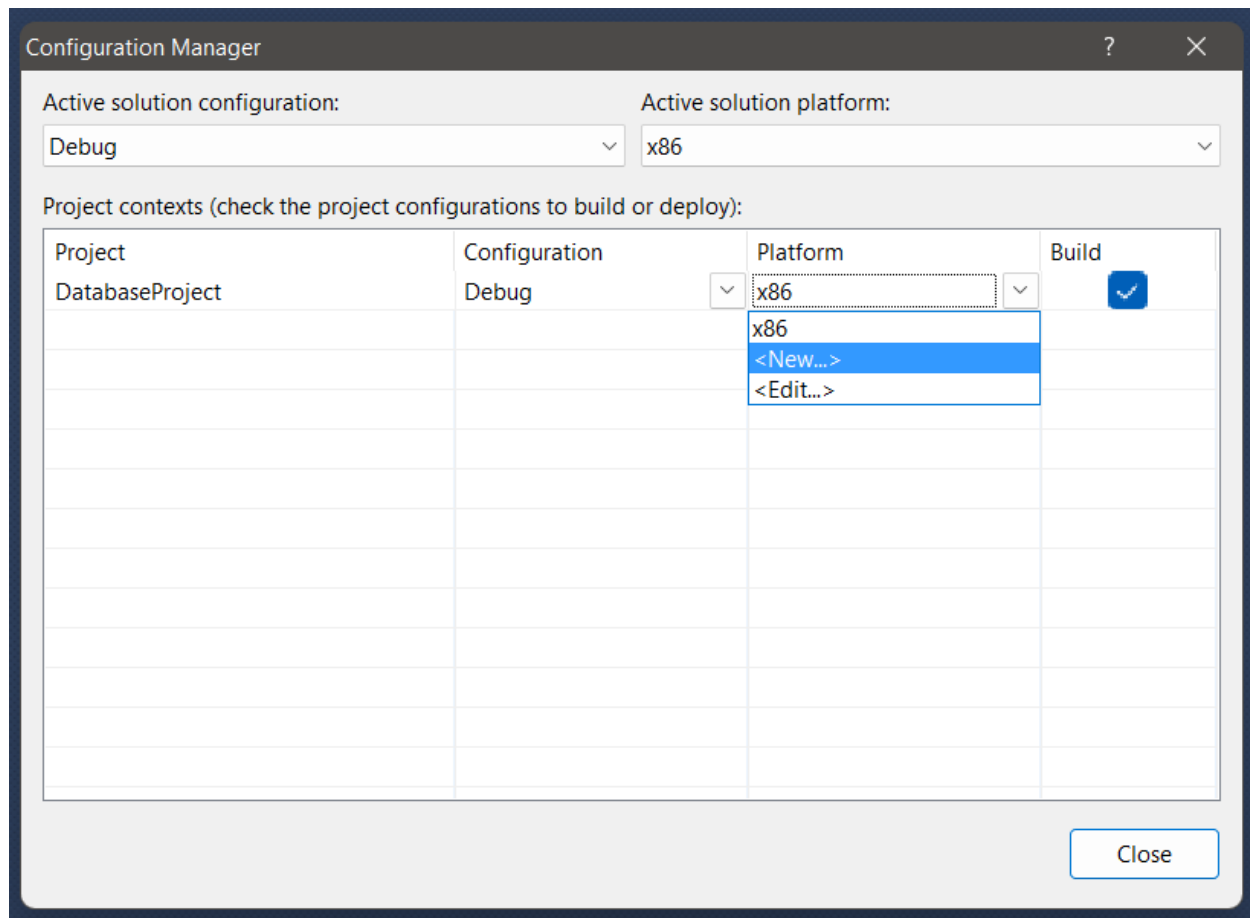


25. Name your module "dbConnection.vb"

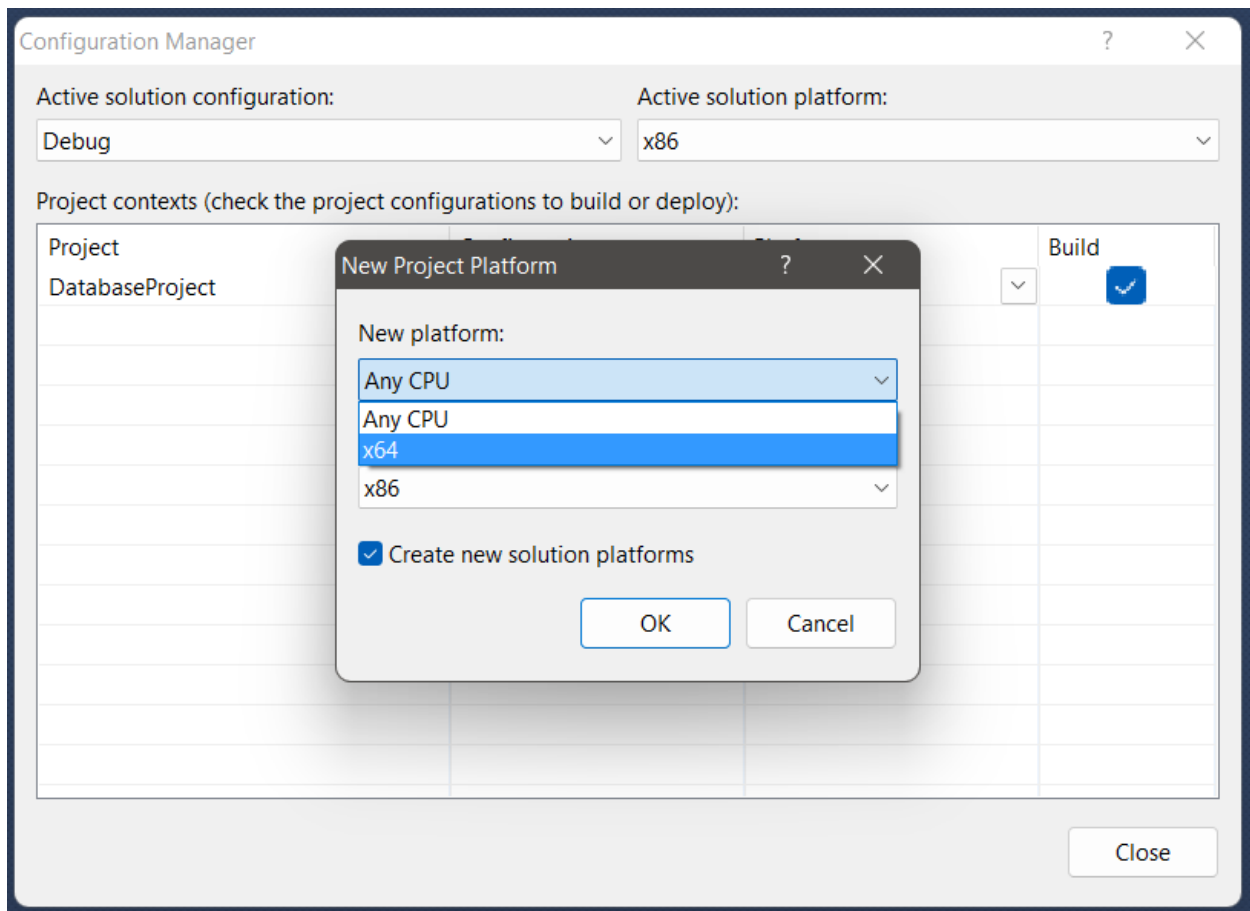
26. Click on your Build Menu and select Configuration Manager



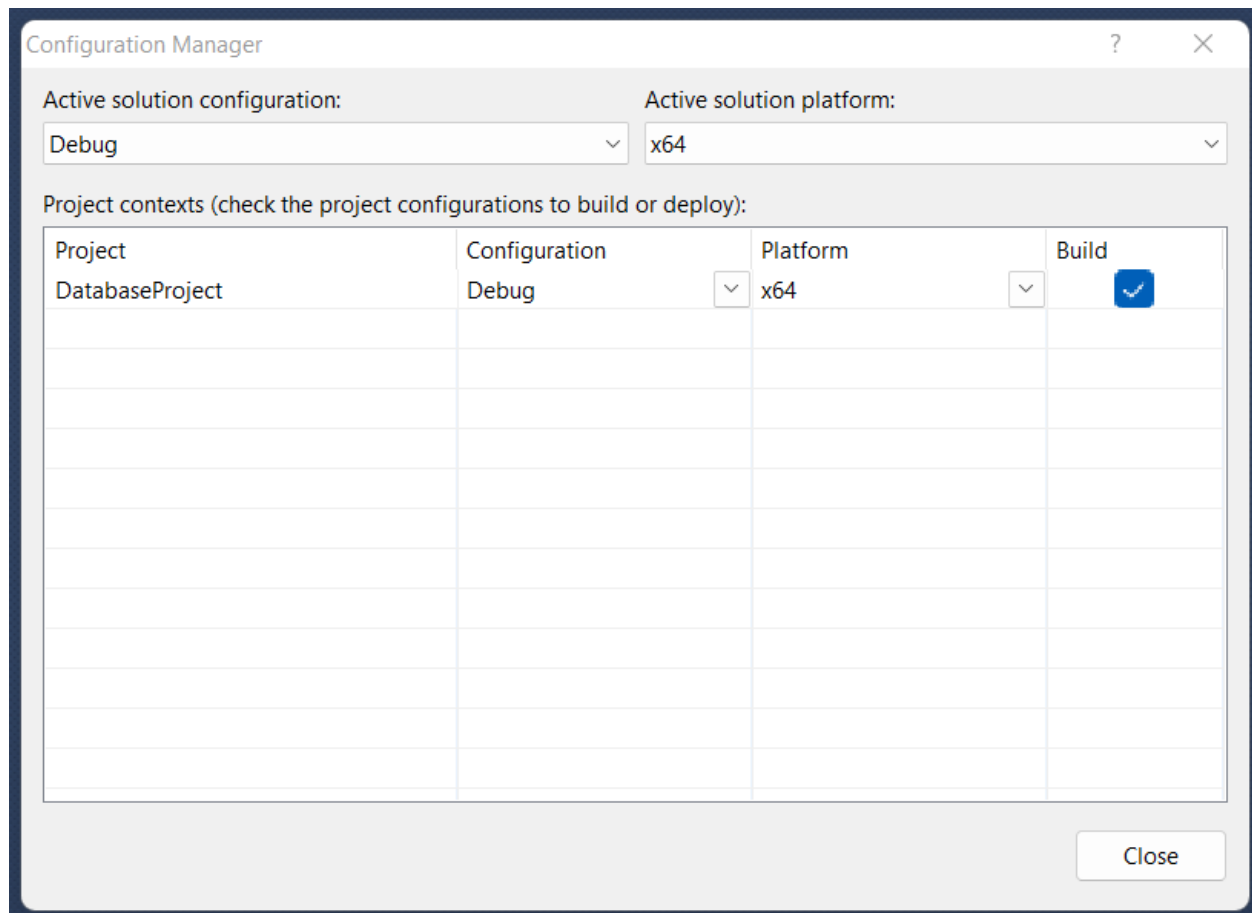
27. Select New in the Platform to change configuration platform from x86 to x64 depending on what type ODBC driver you have installed.



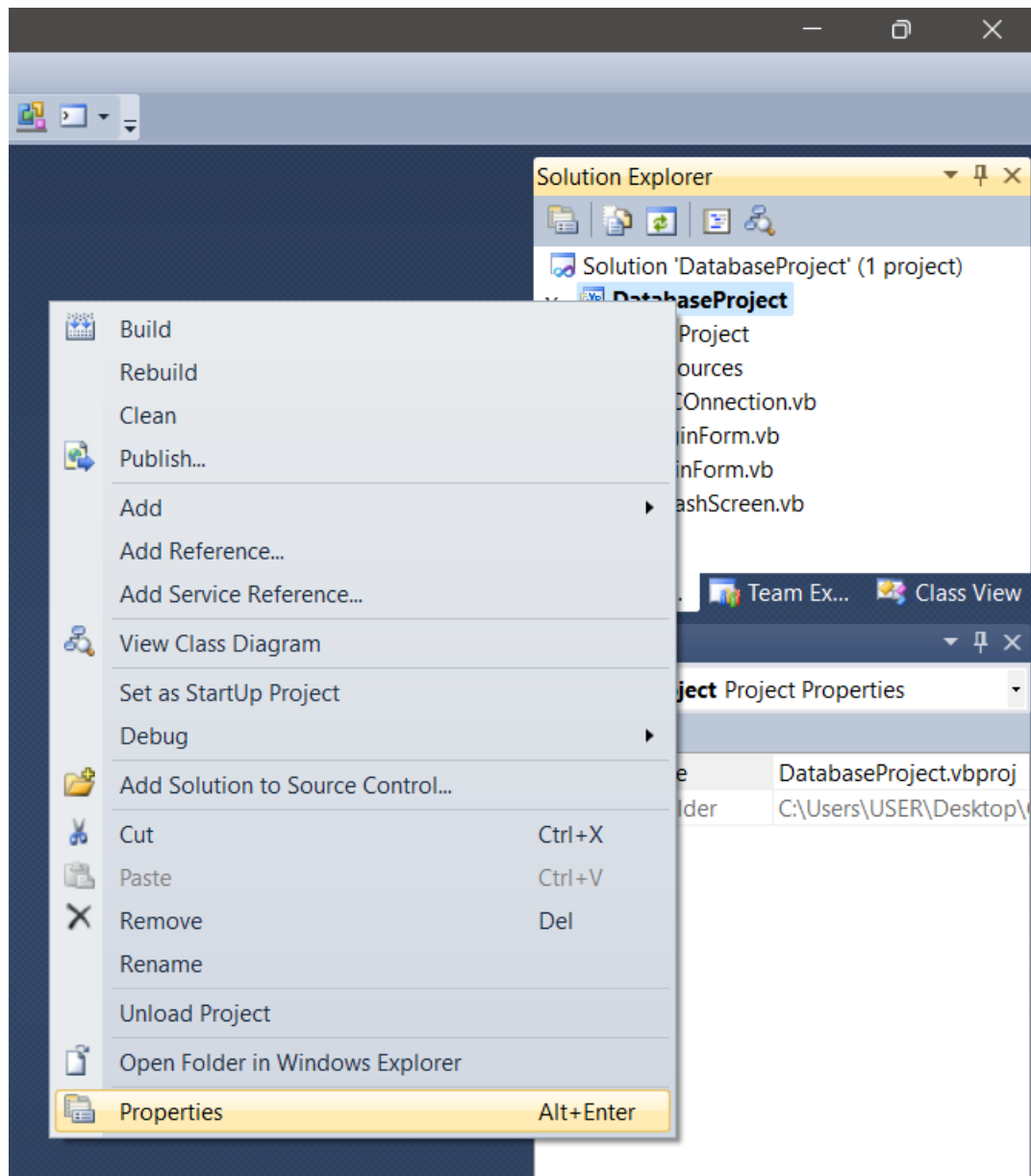
28. In the New Platform option select x64 or you can select Any CPU to let the software decide which platform is available.



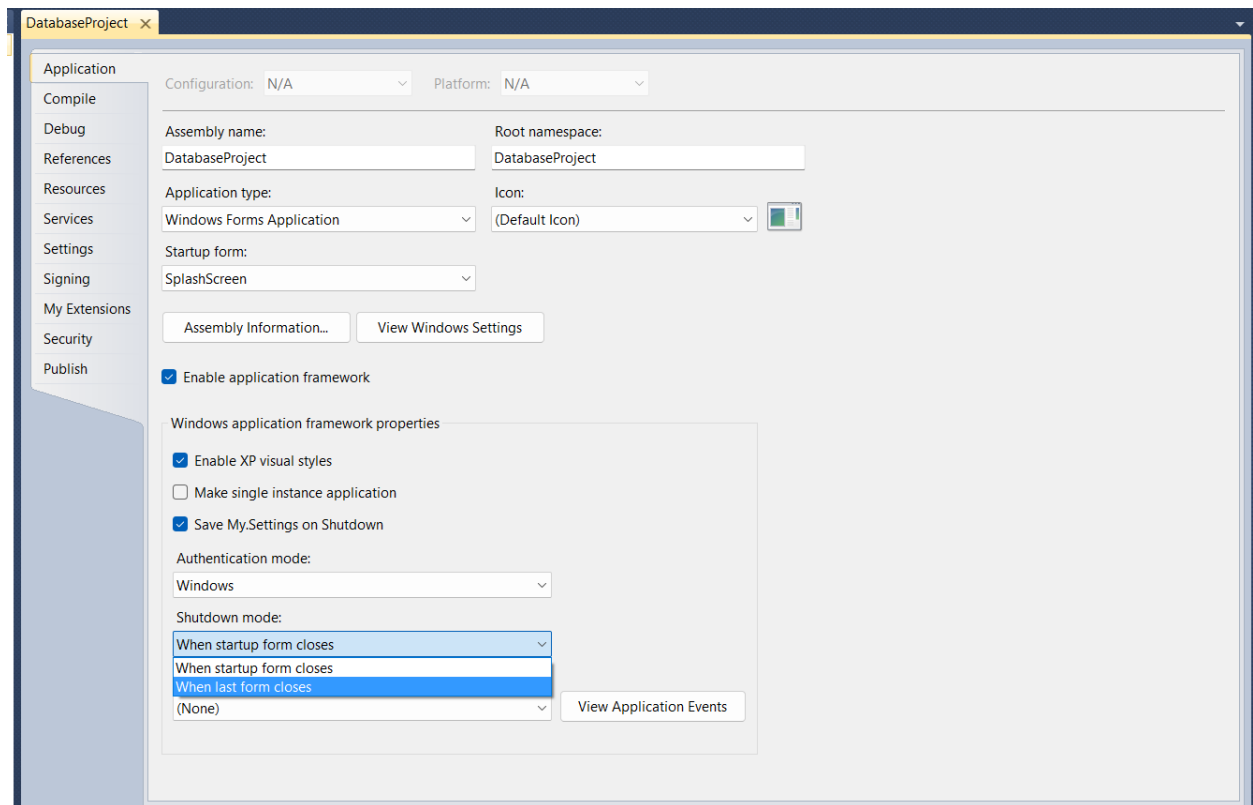
29. After selecting the platform, this should be the result below and click Close button.



30. Right click your solution again and select Porperties



31. Change Shutdown mode: to When last form closes.



32. Click on your solution Show All Files menu, then select ADODB and change its Embed Interop Types in the properties to False.

