

PNNL-37465

HBET V3.0 Installation Manual

March 2025

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Pacific Northwest National Laboratory
Richland, Washington 99354

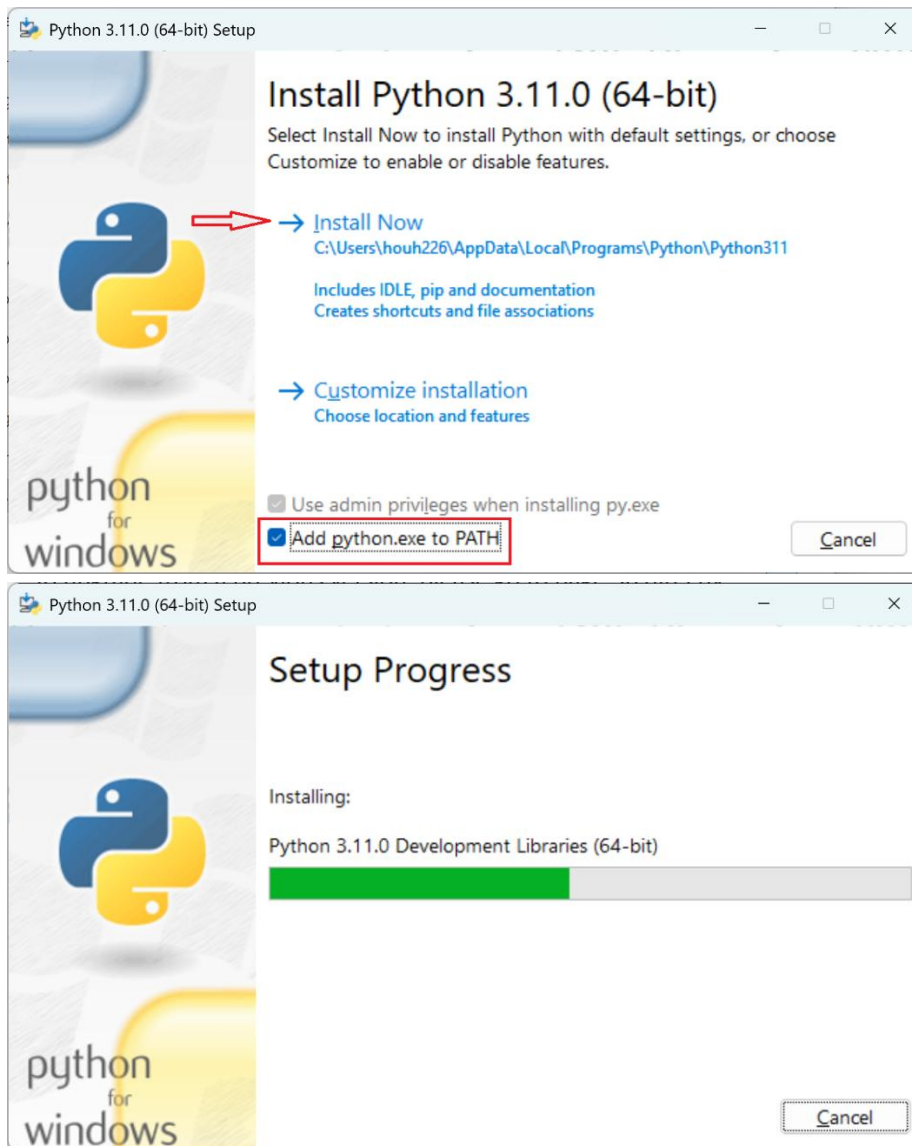
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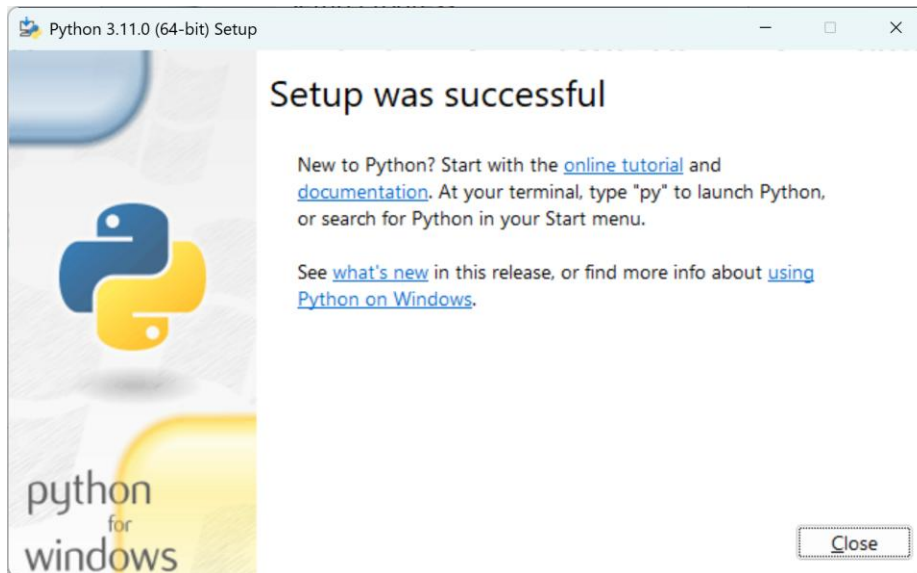
March 16, 2025

To upgrade from a previous version, please go to page 20 directly.

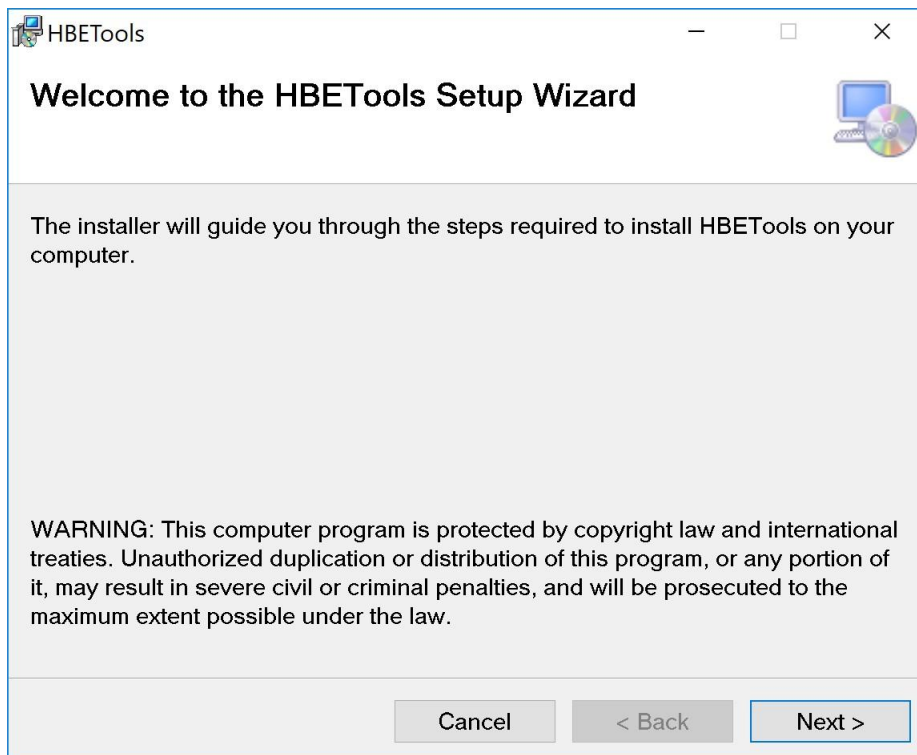
Fresh installation:

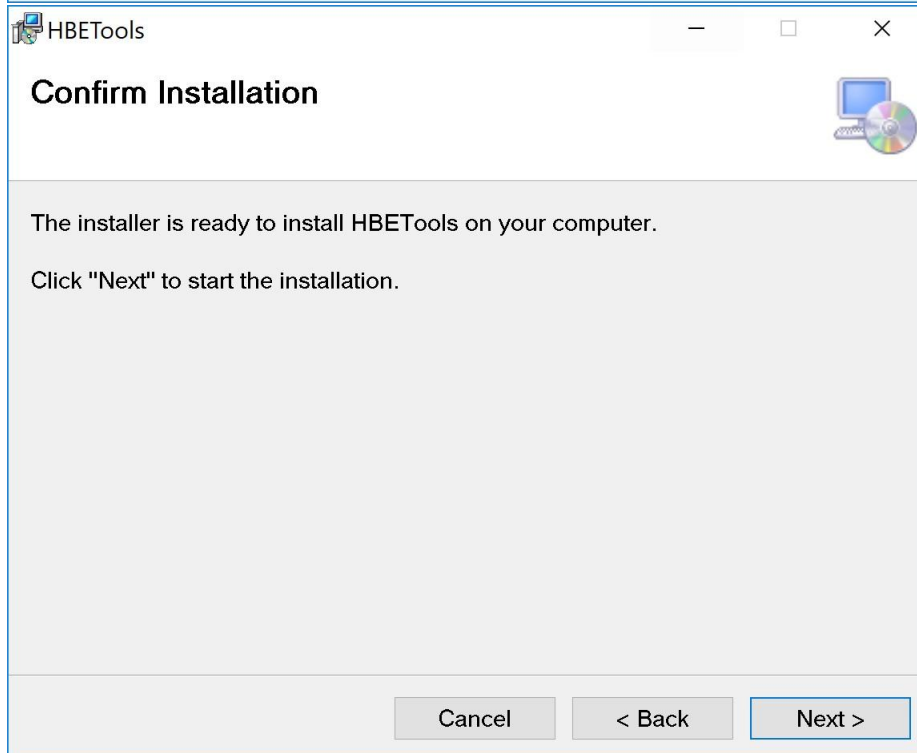
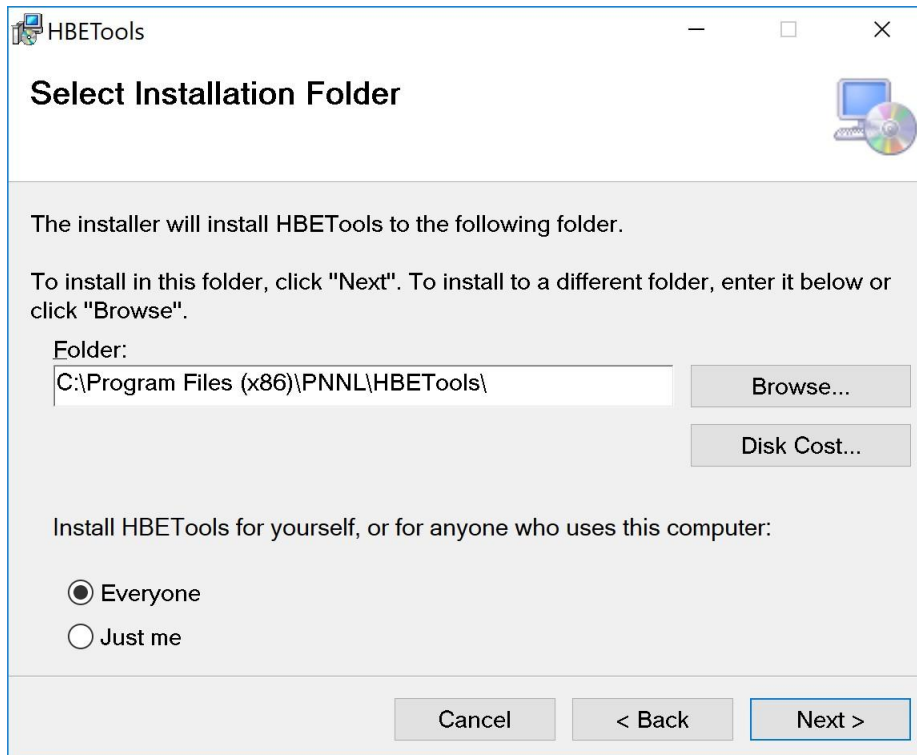
1. Unzip HBET_V3_Installer.zip
2. Double-click python-3.11.0-amd64.exe to begin installing Python v3.11.0. Before selecting "Install Now," ensure that "Add python.exe to PATH" is checked.

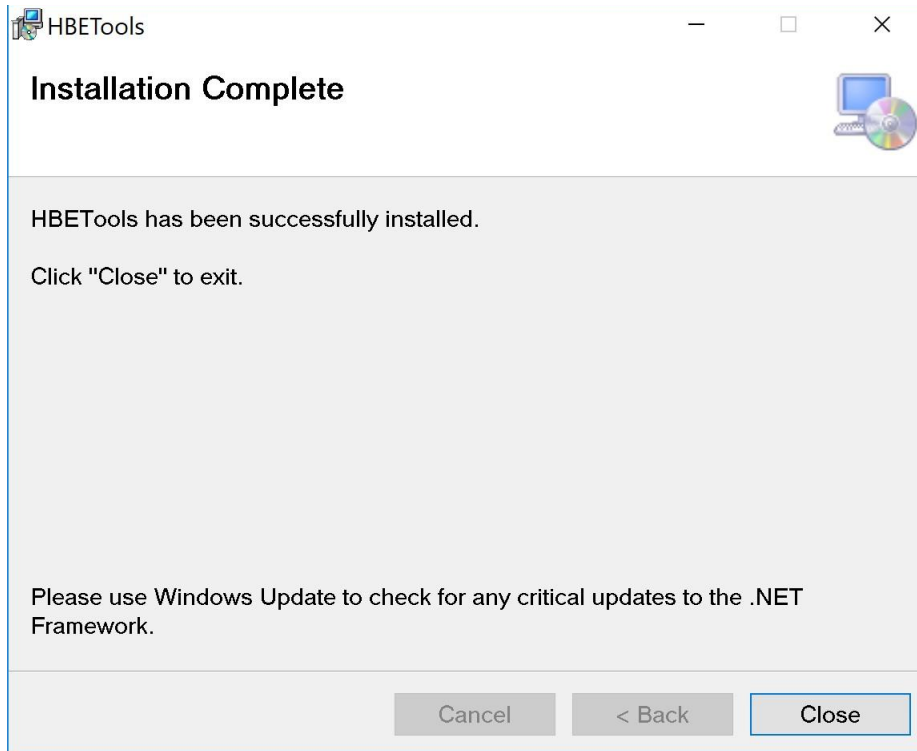




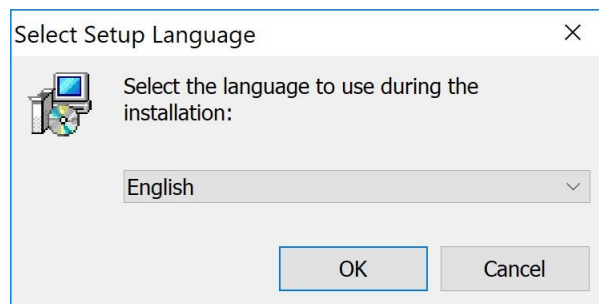
3. Double-click PyPackage_Installer.bat to install the Python libraries needed.
4. Double-click setup.exe and follow the screenshots below to install HBET. Choose "Yes" if the system asks, "Do you want to allow this app to make changes to your device?"

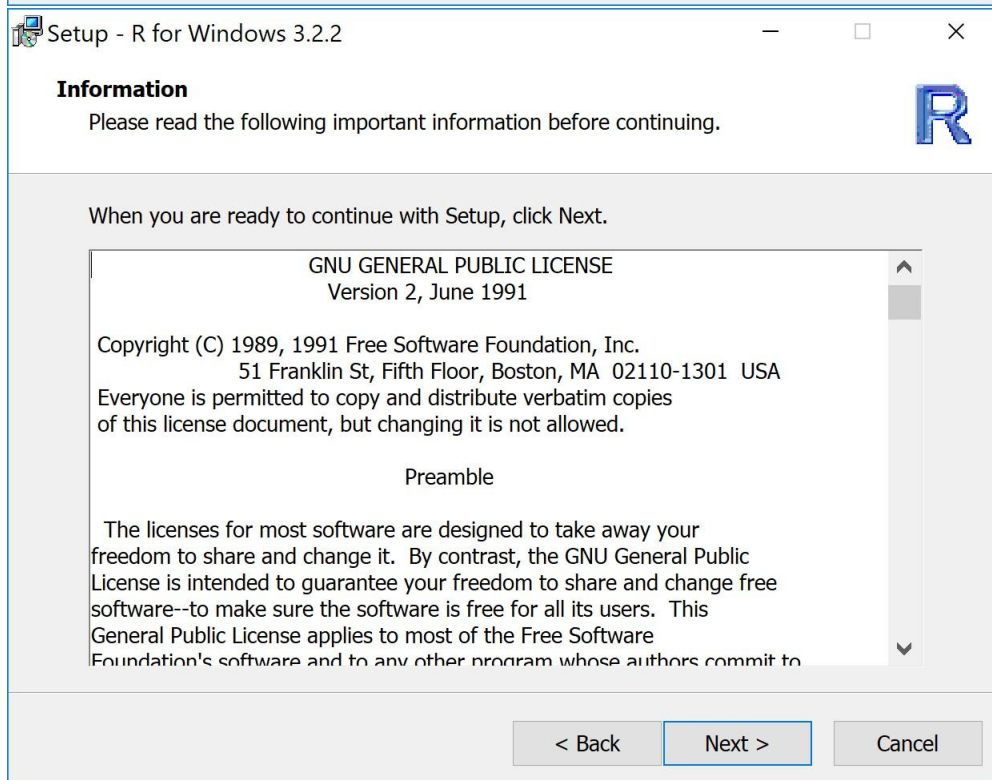
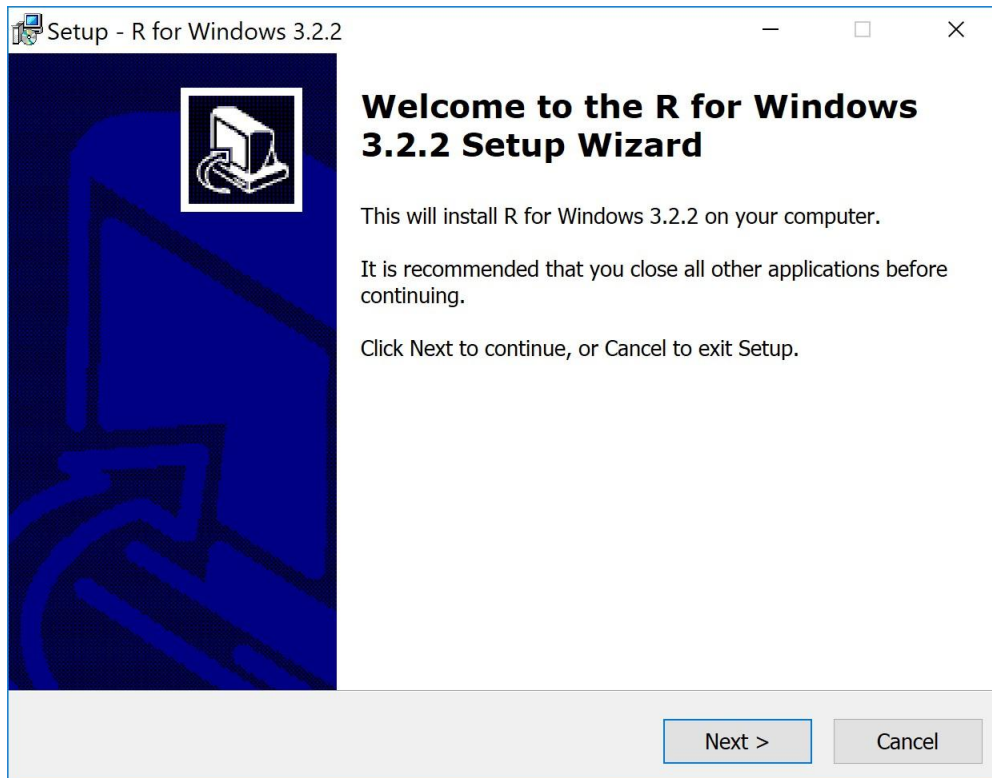


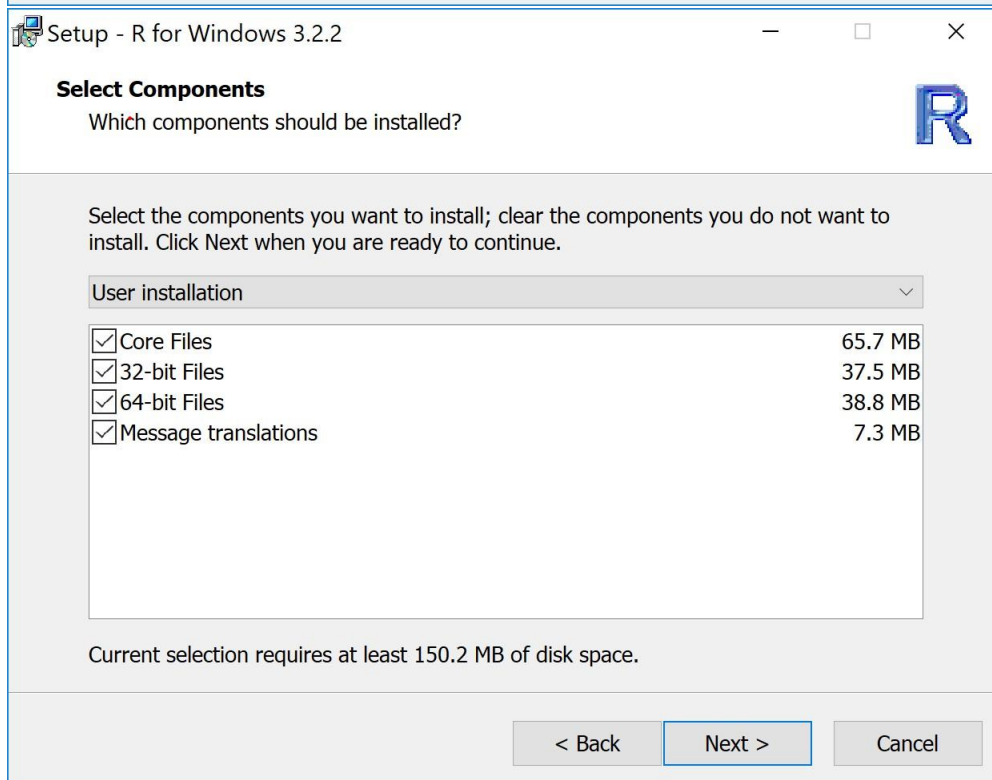
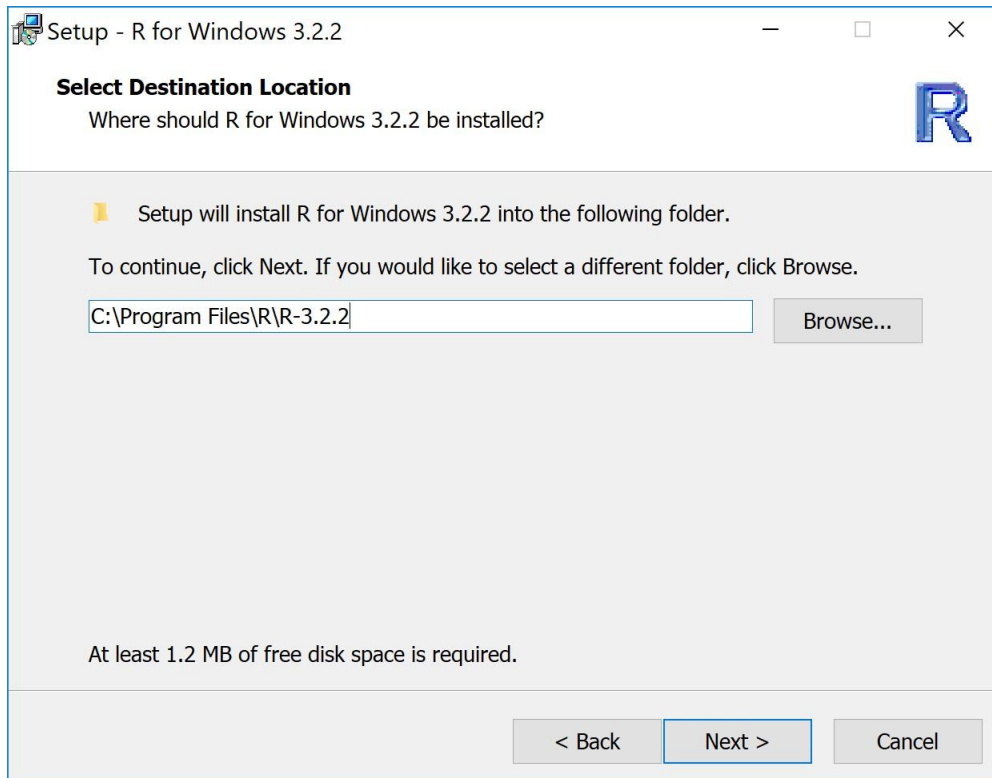


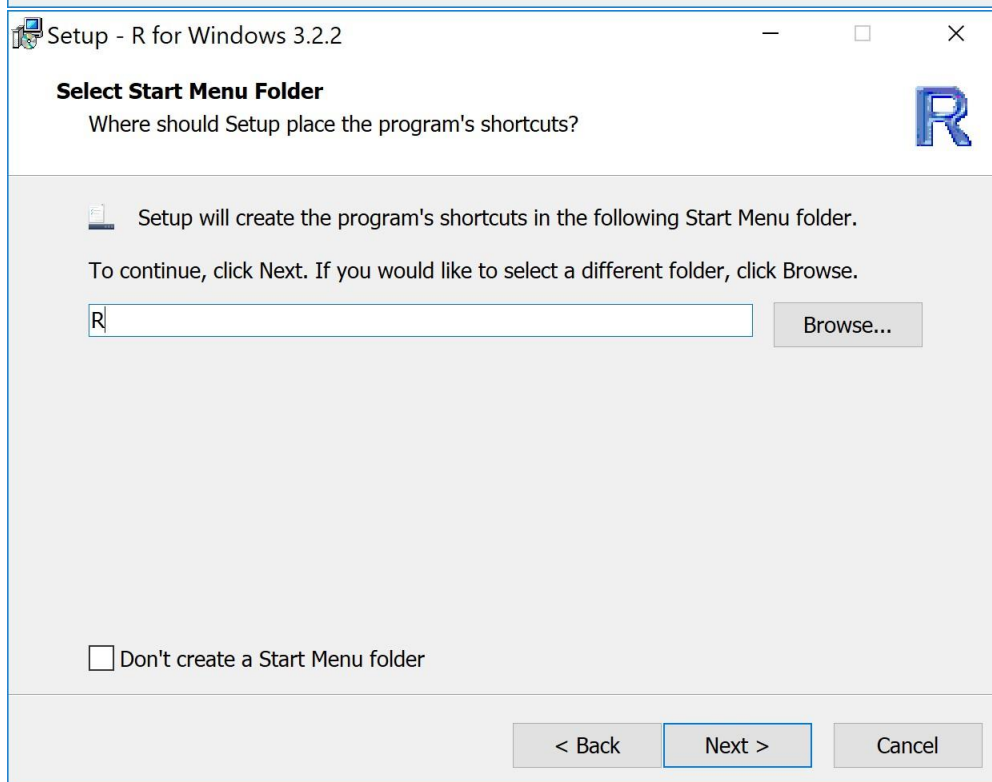
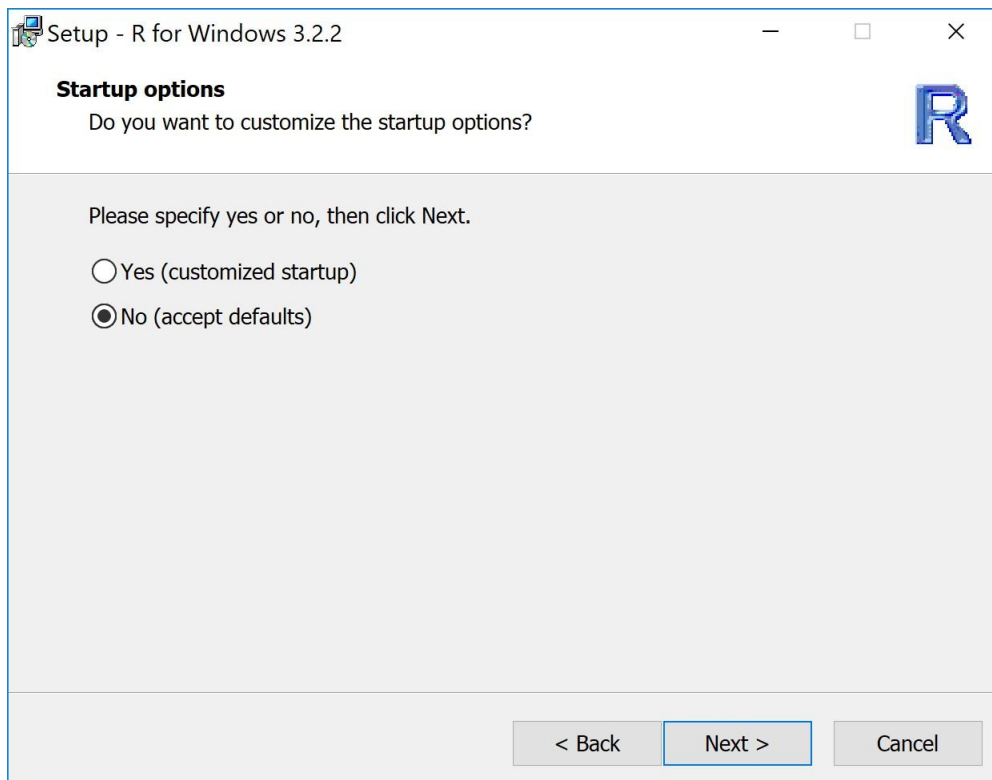


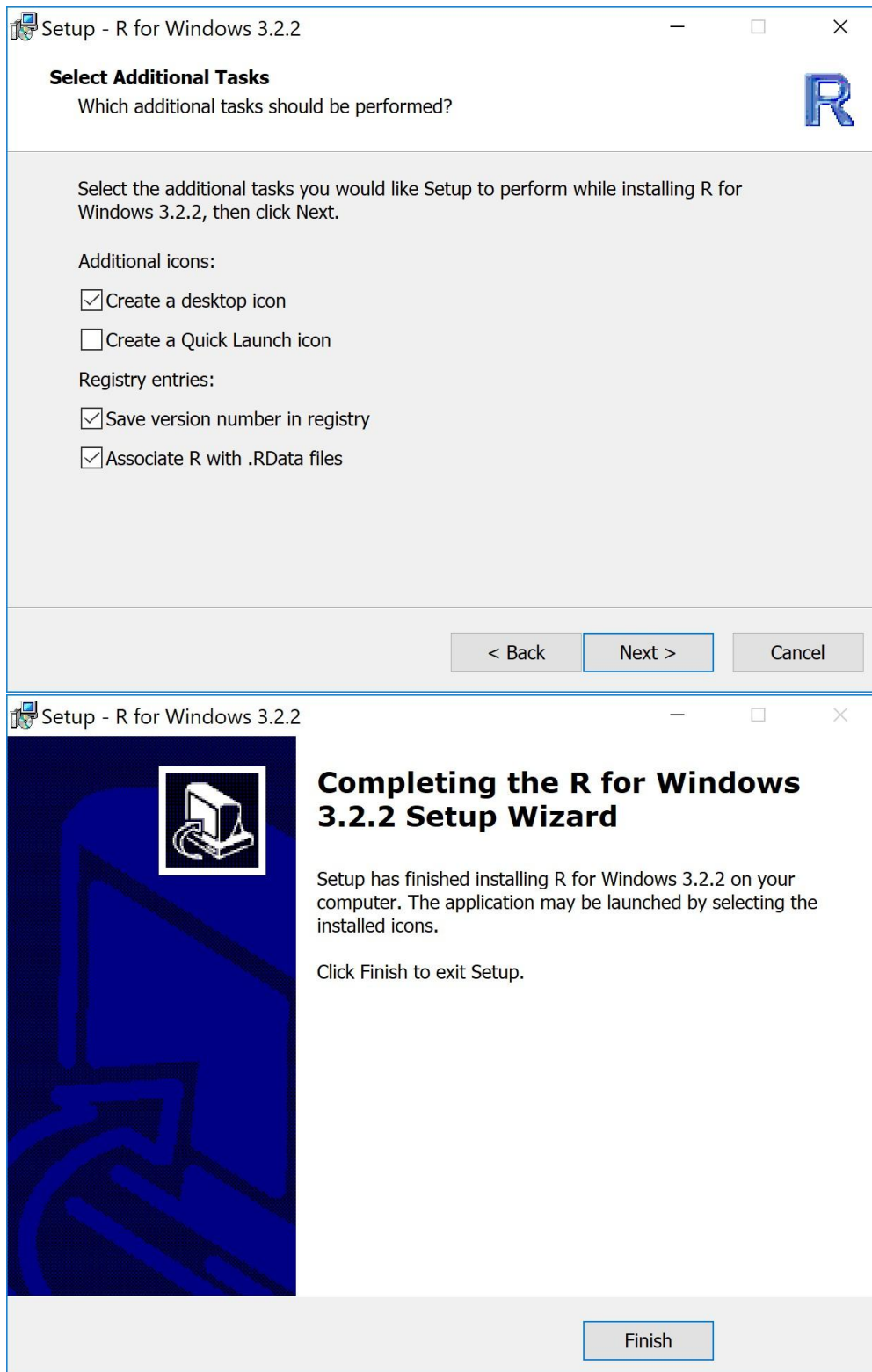
5. Double-click R-3.2.2-win.exe and follow the screenshots below to install the R code support. Choose "Yes" if the system asks "Do you want to allow this app to make changes to your device?"





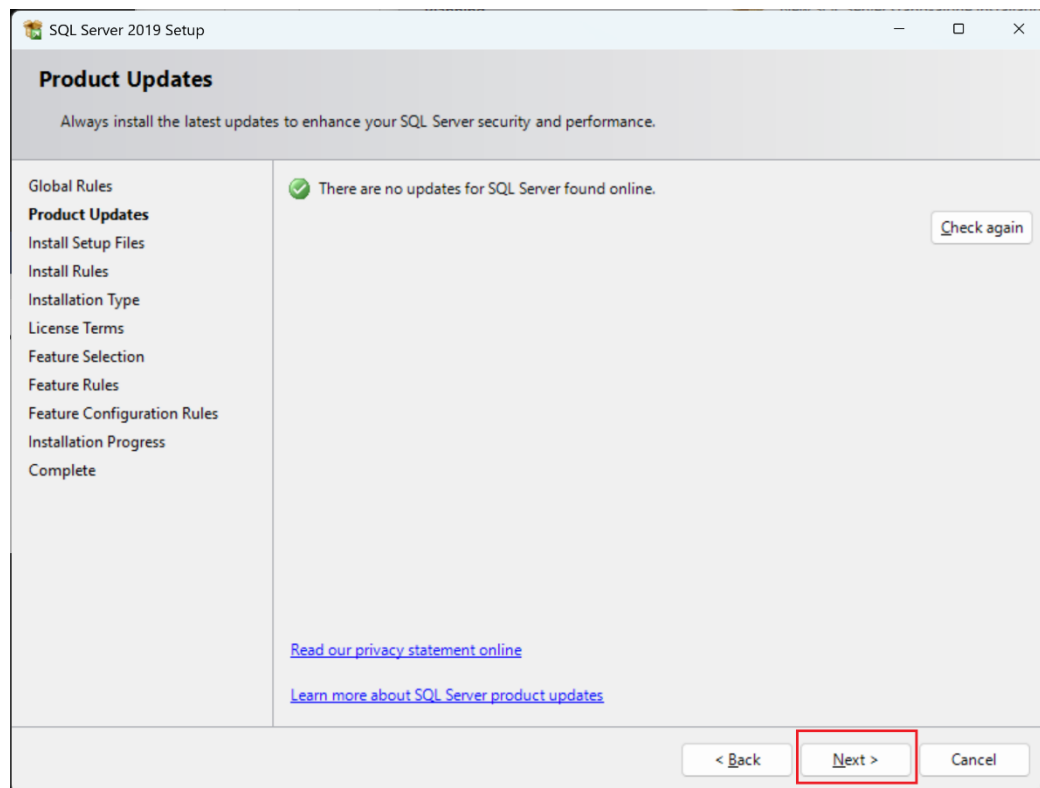
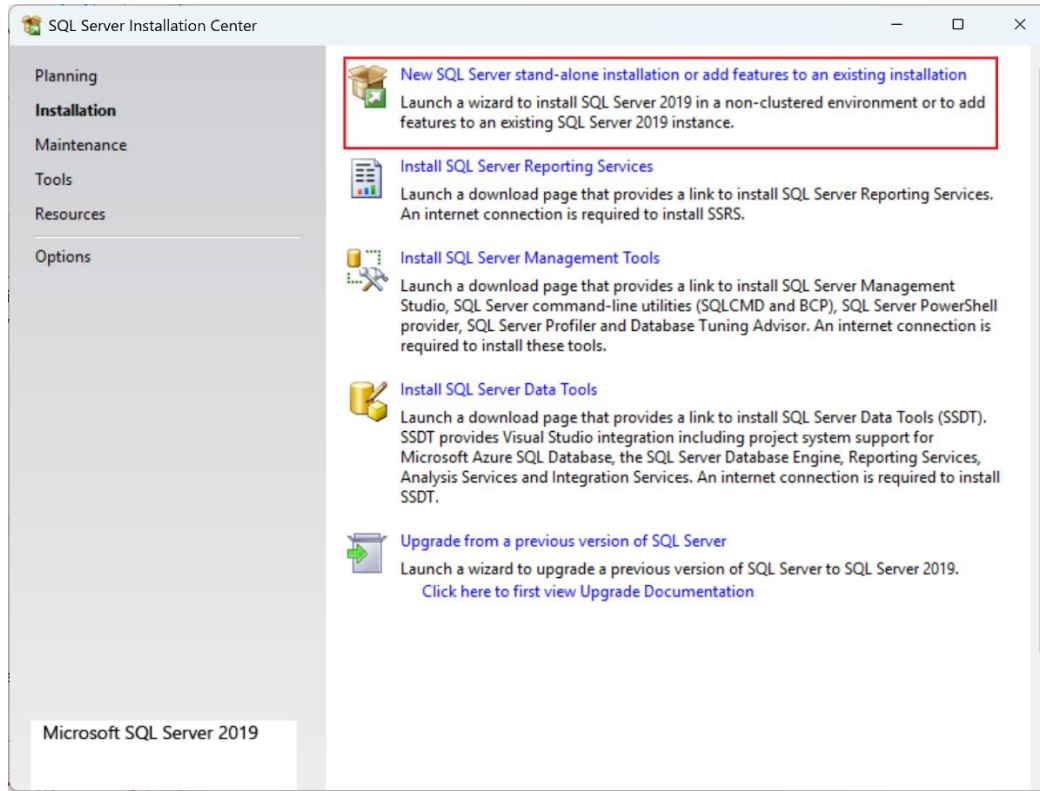


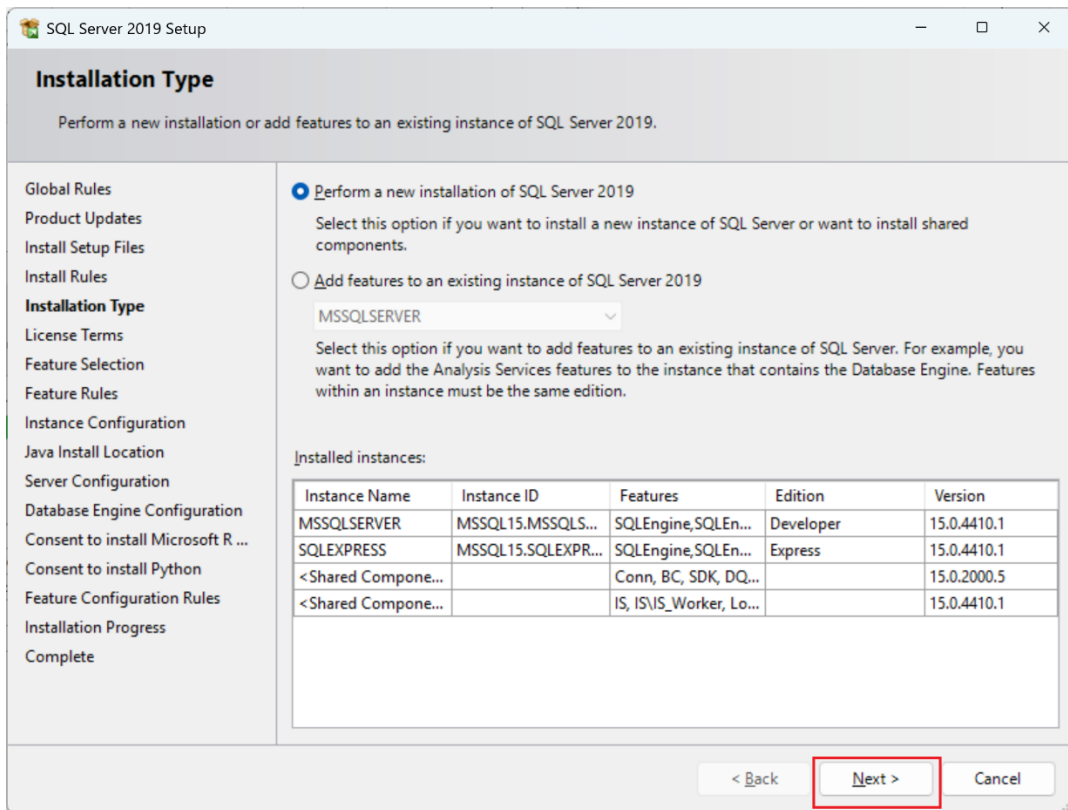
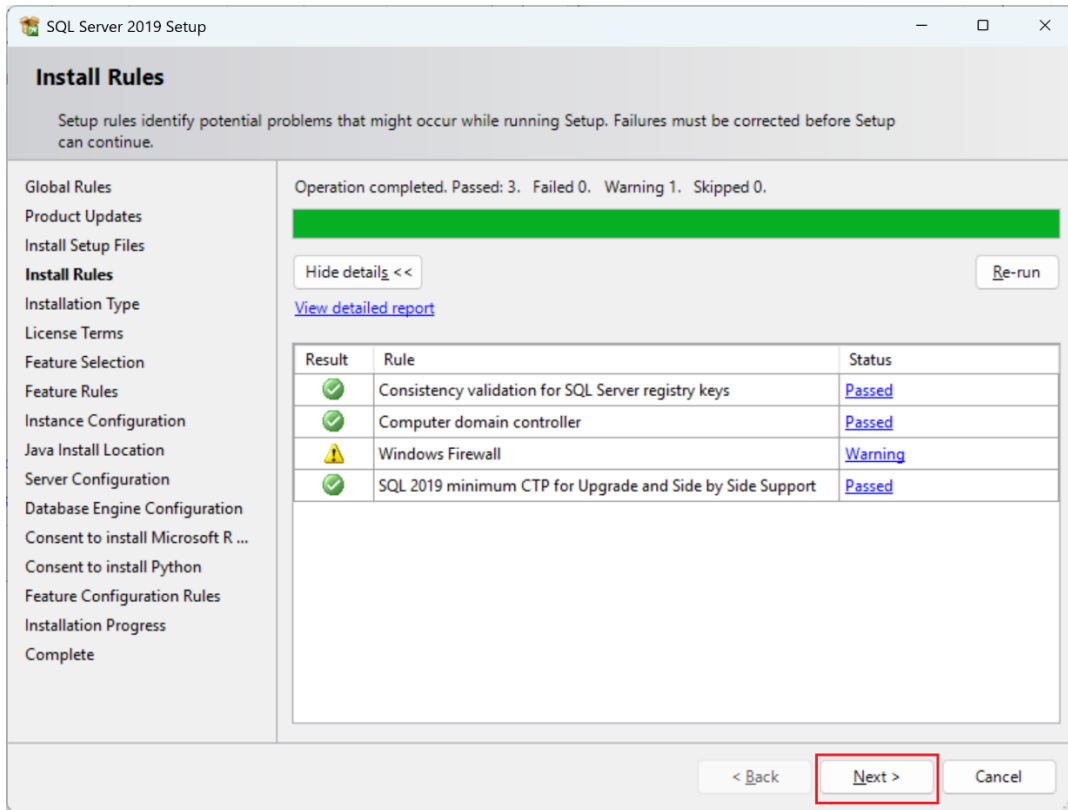


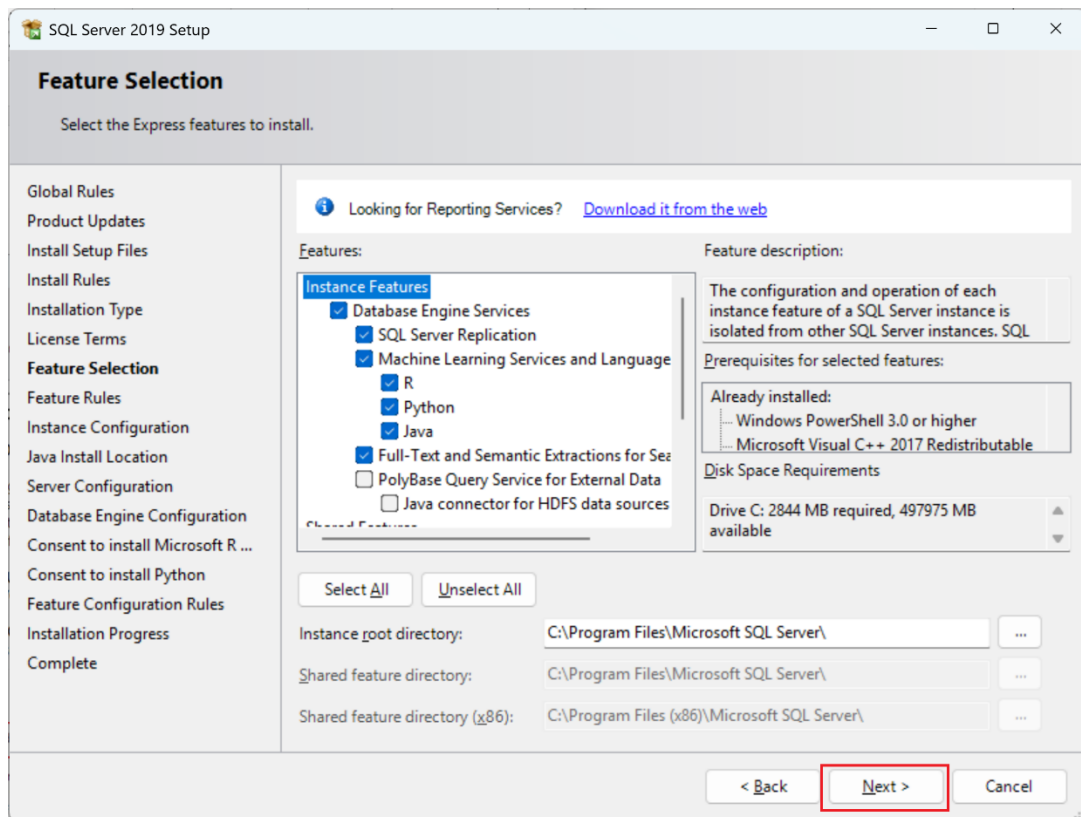
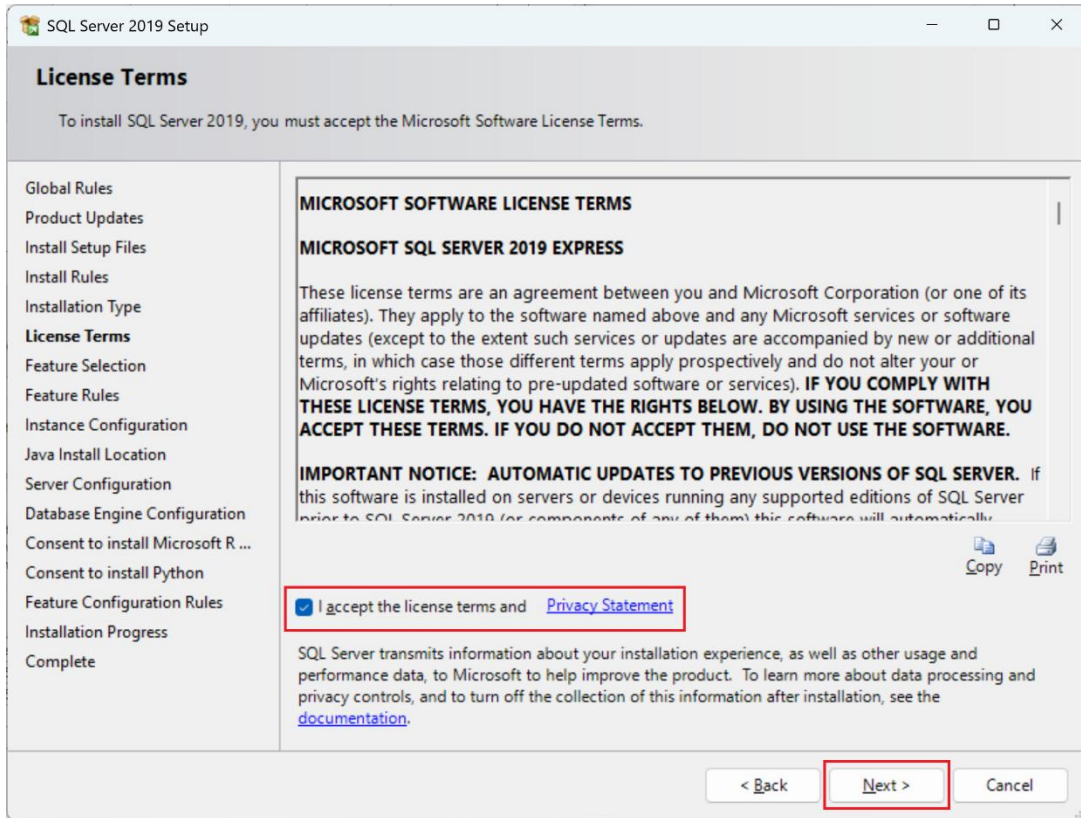


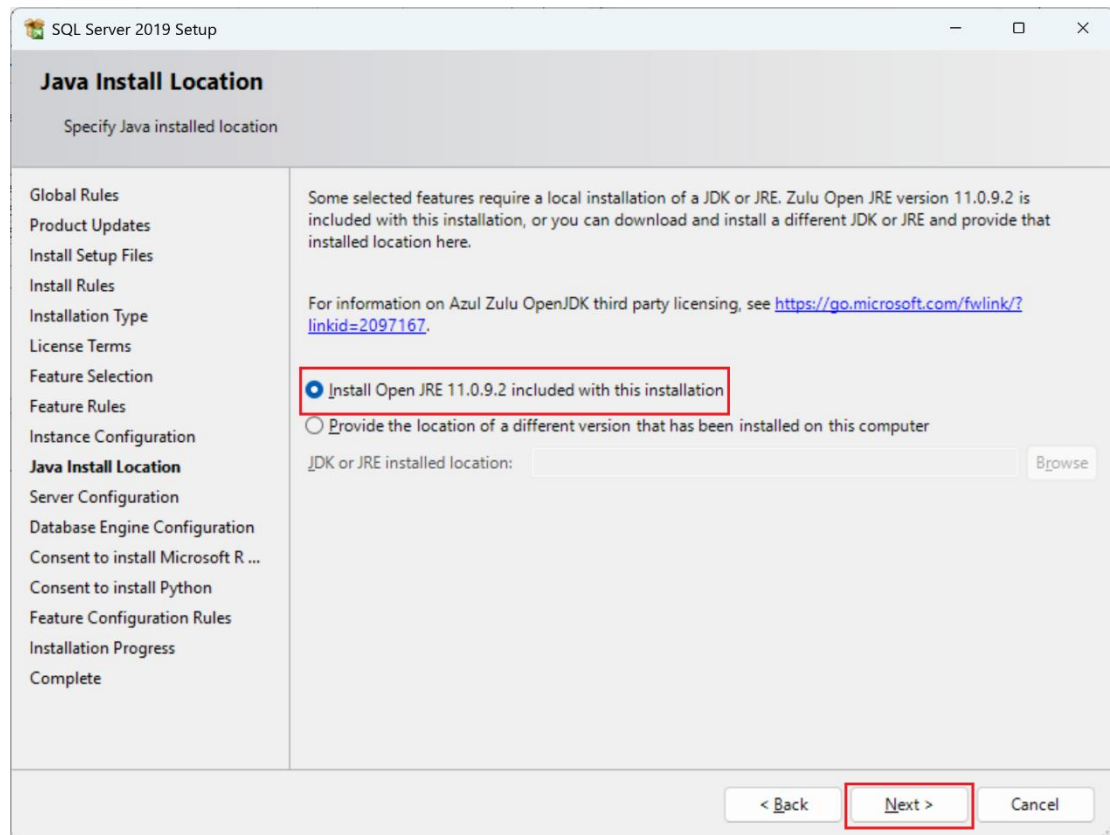
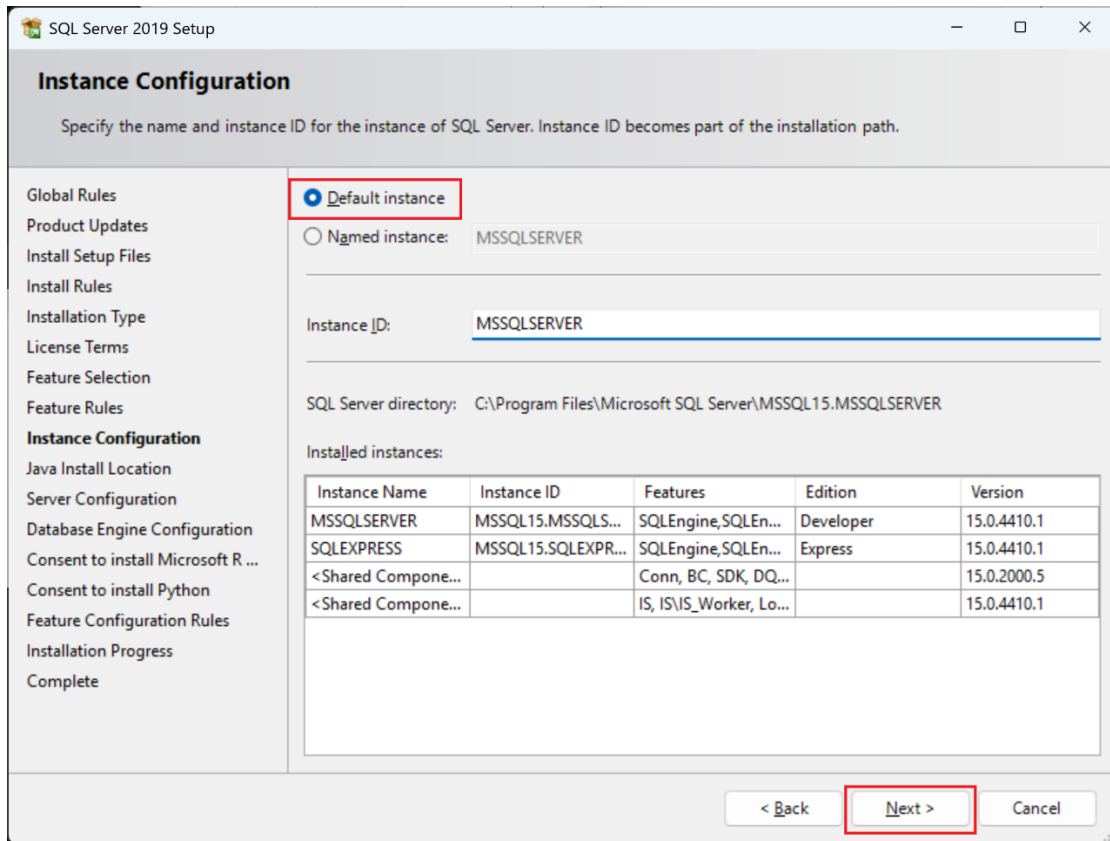
6. Double-click SQLEXPADV_x64_ENU.exe, then choose the directory to extract files and click the Ok button. Follow the screenshots below to install SQL Server Express and SQL Server

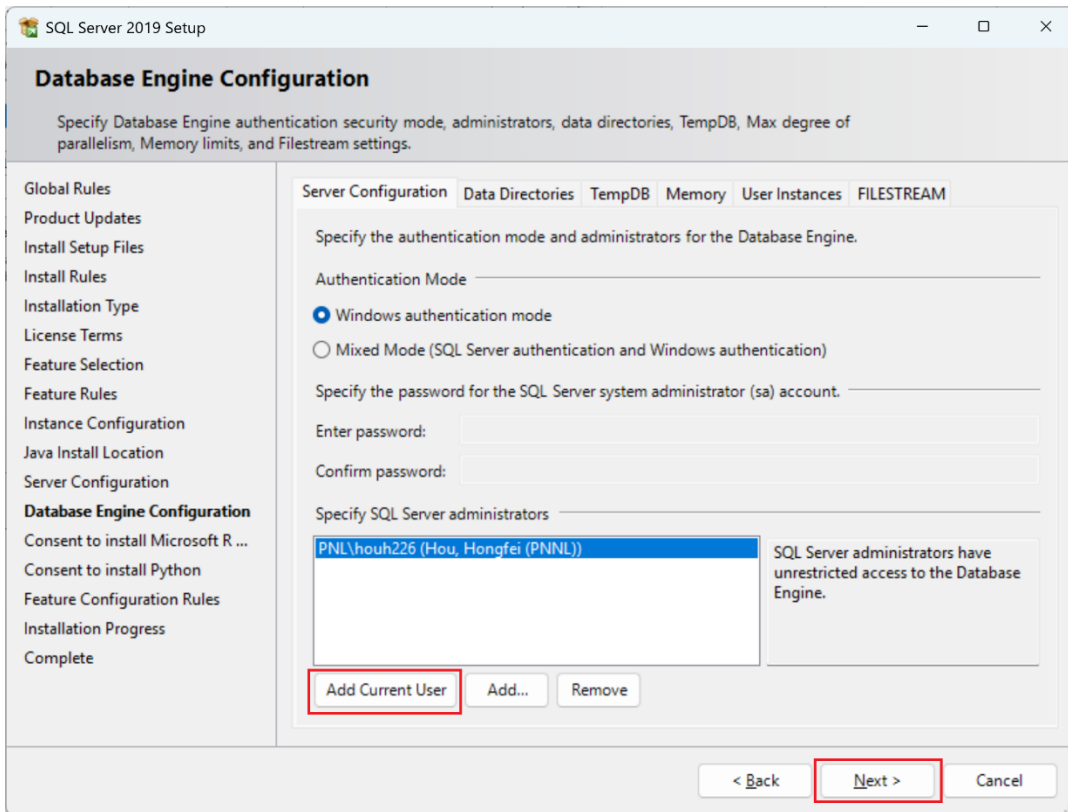
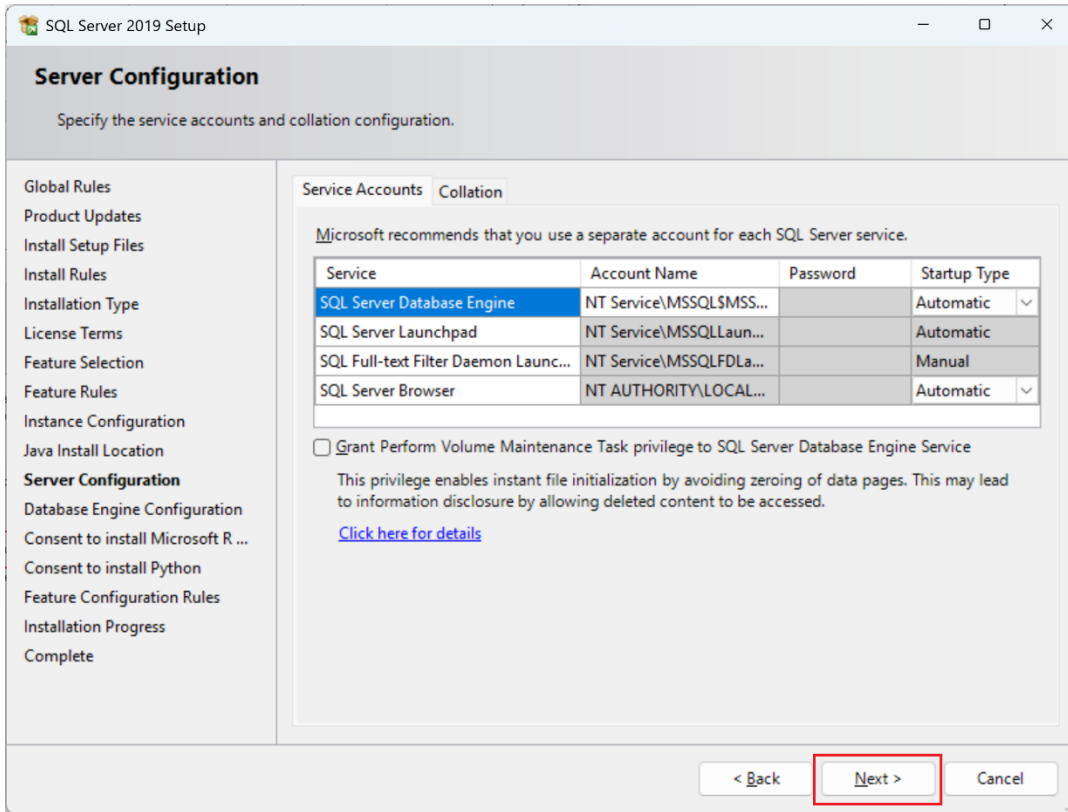
Management Studio. Choose “Yes” if the system asks, “Do you want to allow this app to make changes to your device?”

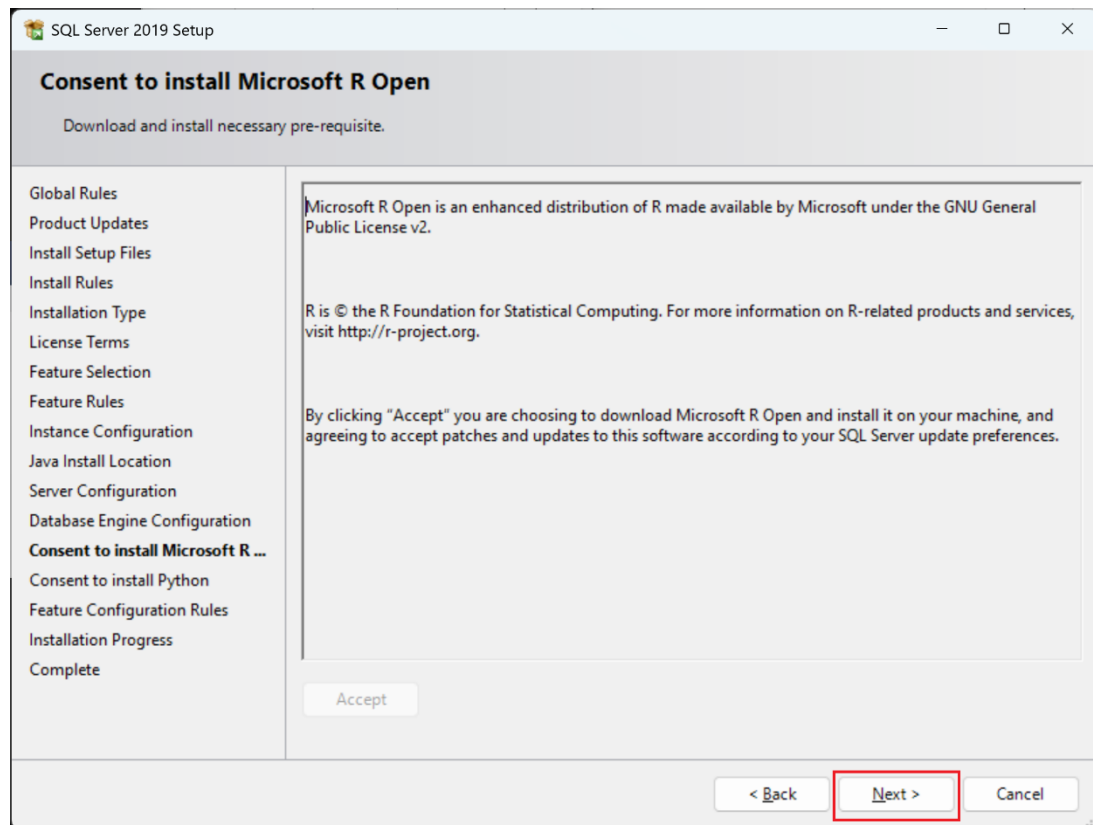
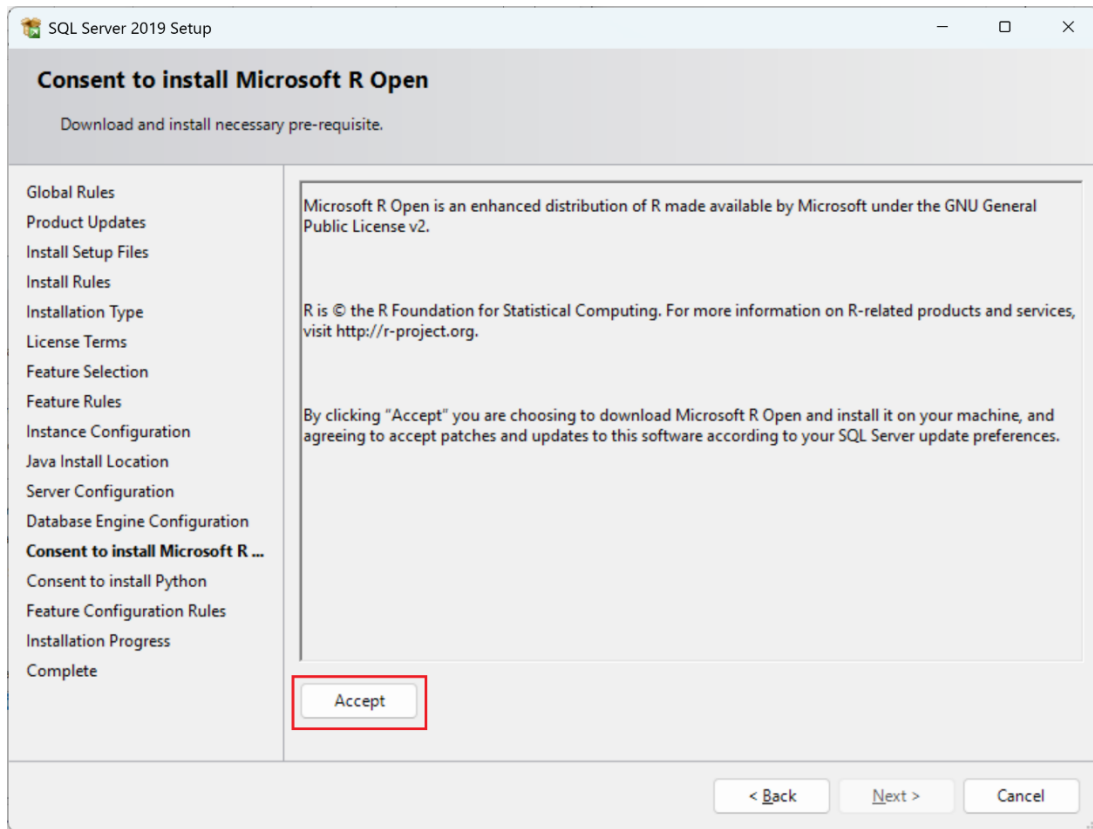


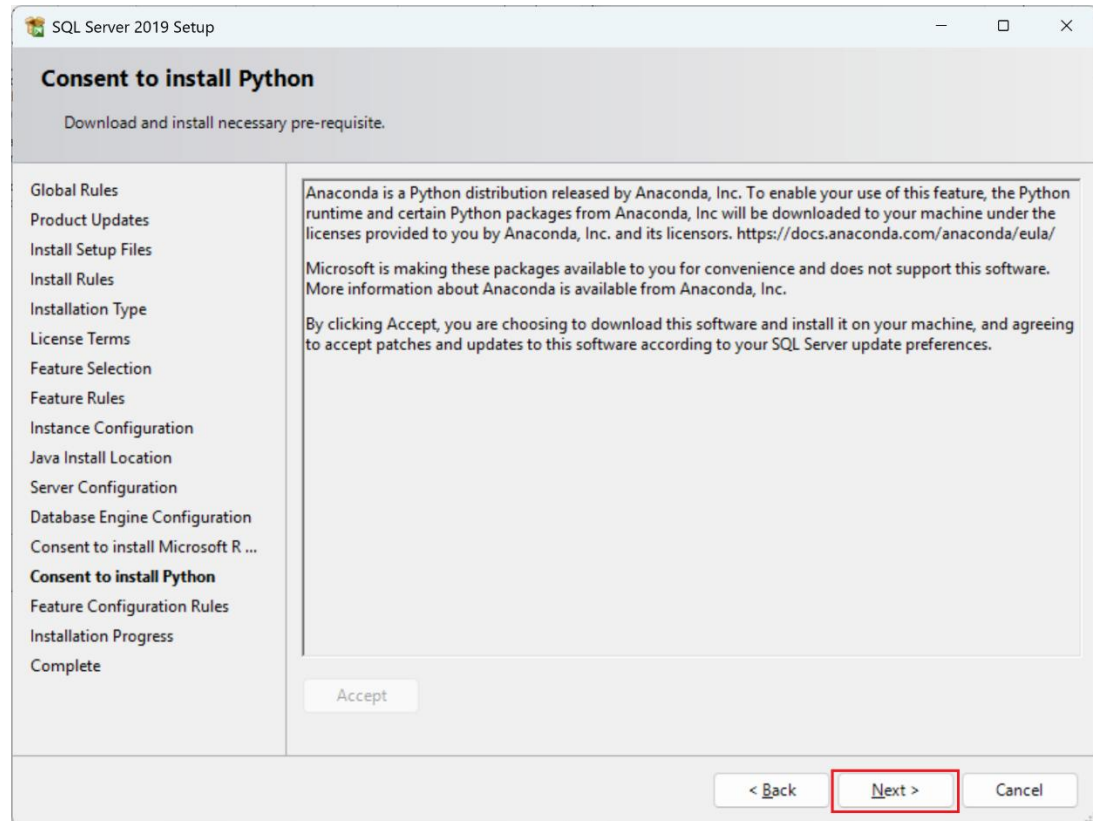
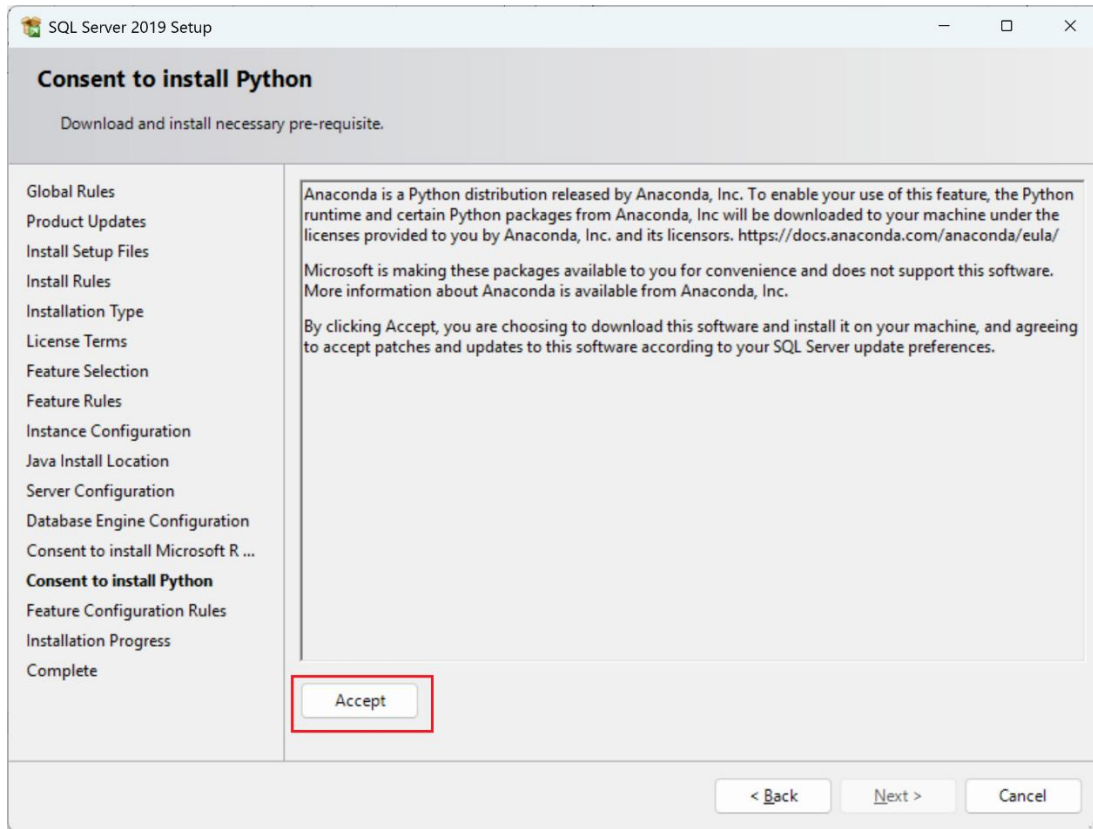


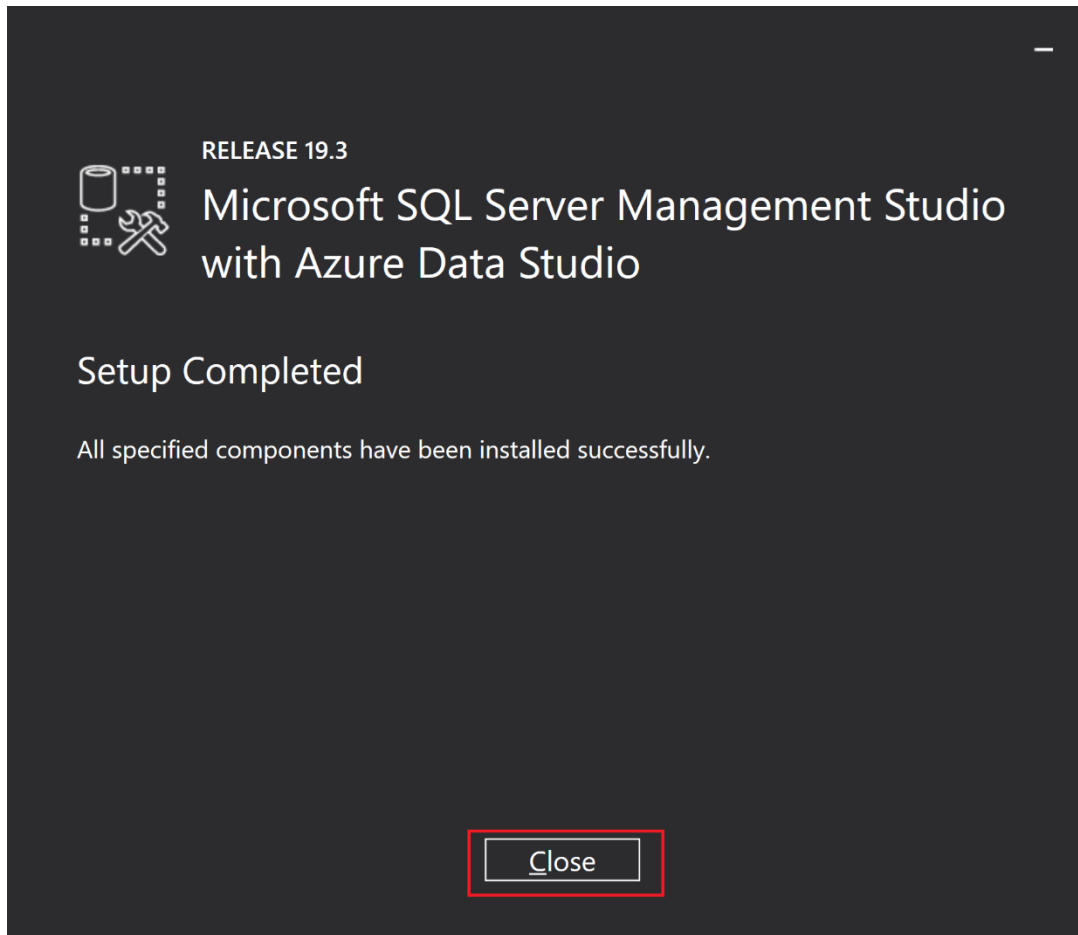




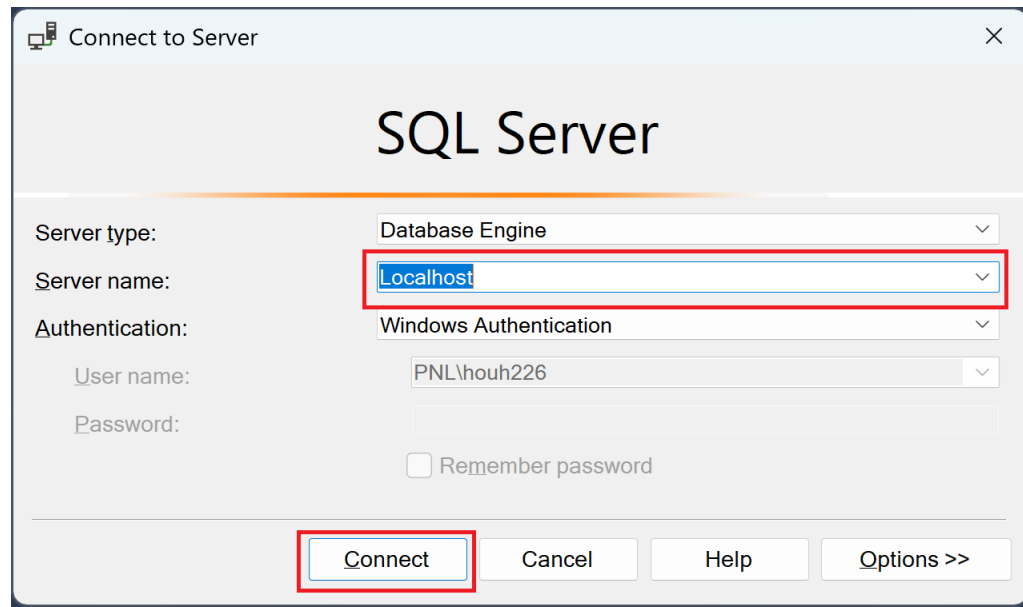




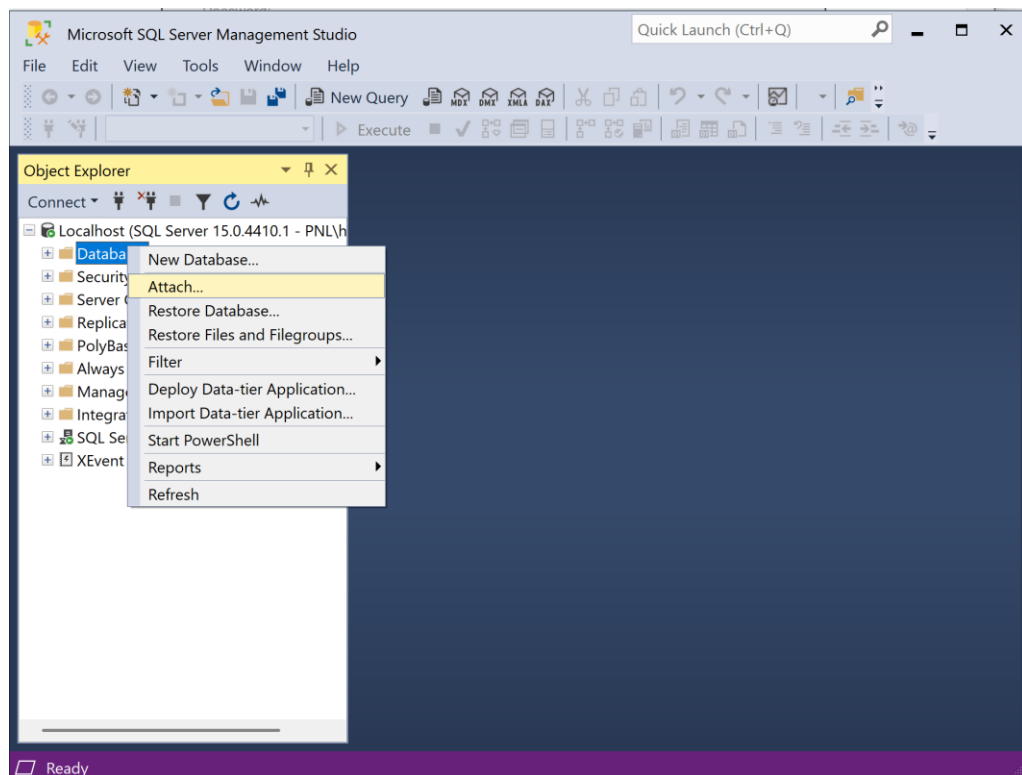




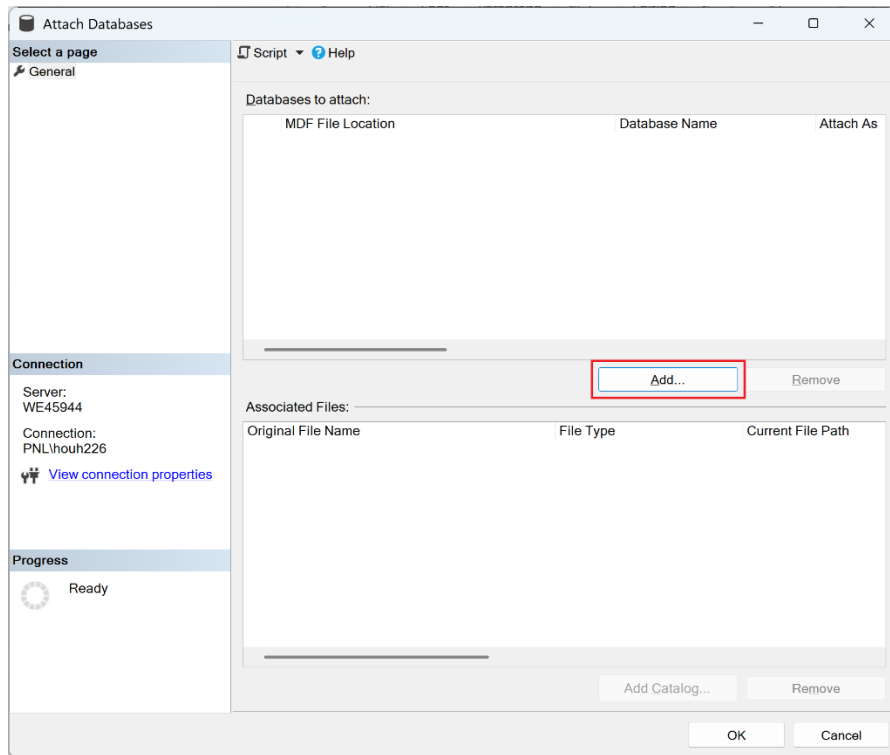
8. Copy and paste "SensorFishDB.mdf" and "SensorFishDB_log.ldf" files from the unzipped HBET_V3_Installer file folder into " C:\Program Files\Microsoft SQL Server\MSSQL15.MSSQLSERVER\MSSQL\DATA".
9. Open Microsoft SQL Server Management Studio by double clicking C:\Program Files (x86)\Microsoft SQL Server Management Studio 19\Common7\IDE\Ssms.exe and follow the screenshots below to attach the Sensor Fish database.



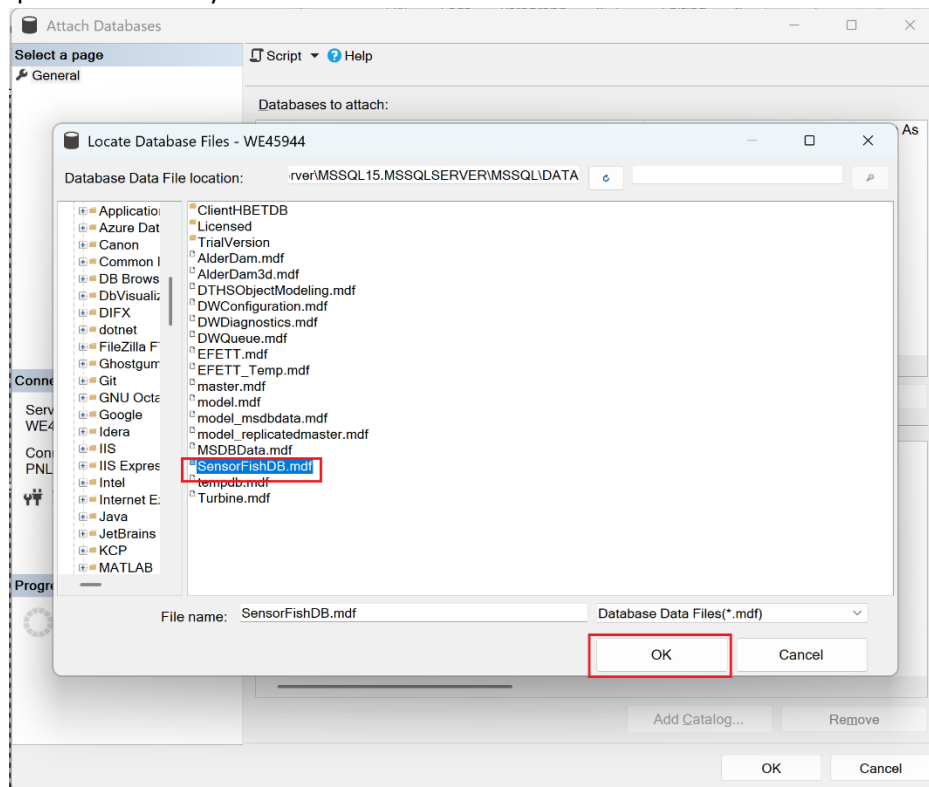
- a. Connect to the server after typing Localhost and clicking Connect.



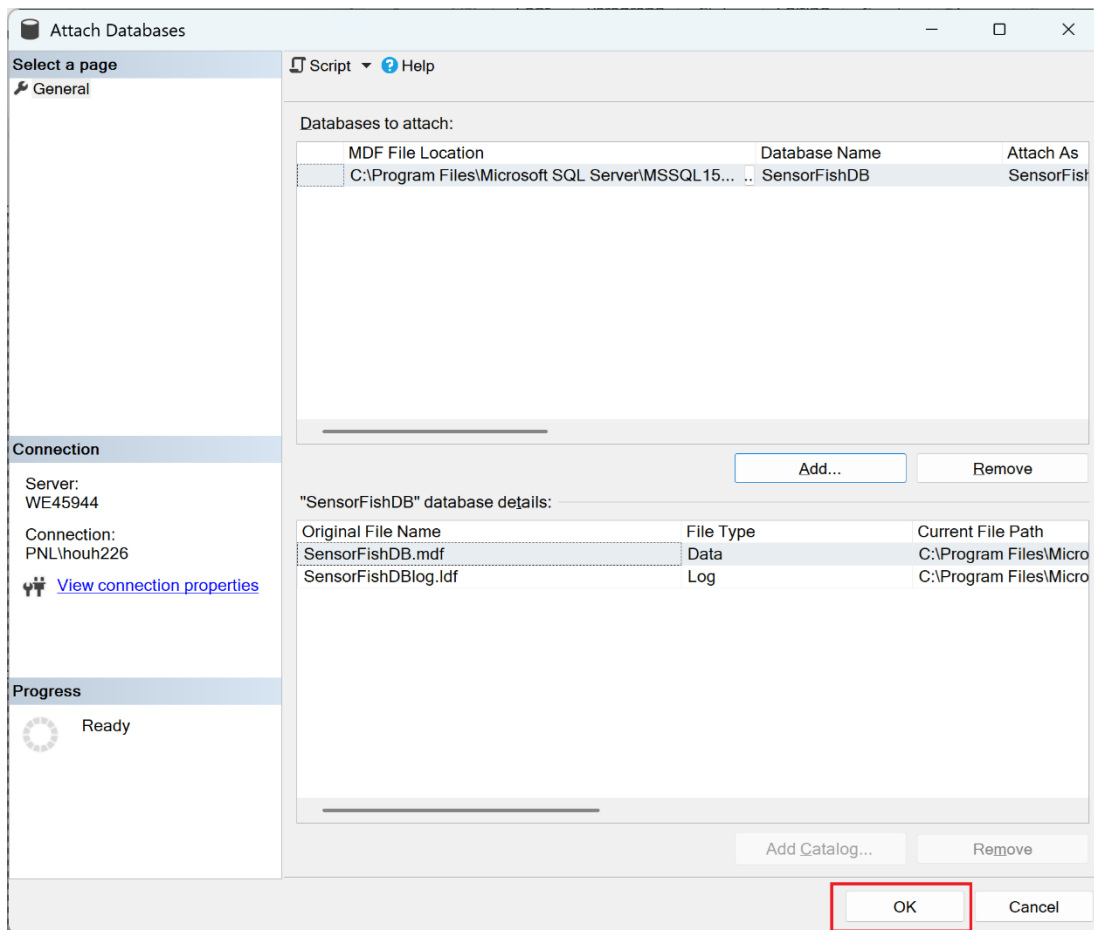
- b. Right-click Database and select Attach to open the following Attach Databases window.



- c. Select Add, choose the appropriately selected path, and enter the file name with the expanded directory tree in the File name to attach SensorFishDB.mdf.



- d. Return to the Attach Databases window, SensorFishDBLog.ldf will be added automatically to the database details.



- e. Click OK and close Microsoft SQL Server Management Studio.

10. Run the HBETools.exe application.

Upgrade from a previous version:

1. Uninstall the previously installed HBET;
2. Double click setup.exe to install the HBET; (By default, the installation folder: C:\Program Files (x86)\PNNL\HBETools);
3. Run HBETools.exe application;
4. Follow the instructions on page 3.9 in HBET3.0UserGuide.pdf to export all studies uploaded after the previous installation.

The associated files will be in the c:\temp folder. Each exported study will have a separate folder under c:\temp (i.e., c:\temp\teststudy);

The field sheet file resides in each exported study folder (i.e., c:\temp\teststudy\teststudyfieldsheet.xlsx).

5. Detach the database SensorFishDB (SensorFishDB.mdf) following the instructions below:

<https://docs.microsoft.com/en-us/sql/relational-databases/databases/detach-atabase?view=sql-server-ver15>

6. Attach the NEW database SensorFishDB (SensorFishDB.mdf which is included in this package) following the instructions below:

<https://msdn.microsoft.com/en-us/library/ms190209.aspx>

***** Make sure to choose the database file SensorFishDB.mdf included in this package *****

7. Run the HBETools.exe application.

8. Follow the instructions on page 3.5 in HBET3.0UserGuide.pdf to create the corresponding study site, and study name; then upload files that have been exported studies in step 4.

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