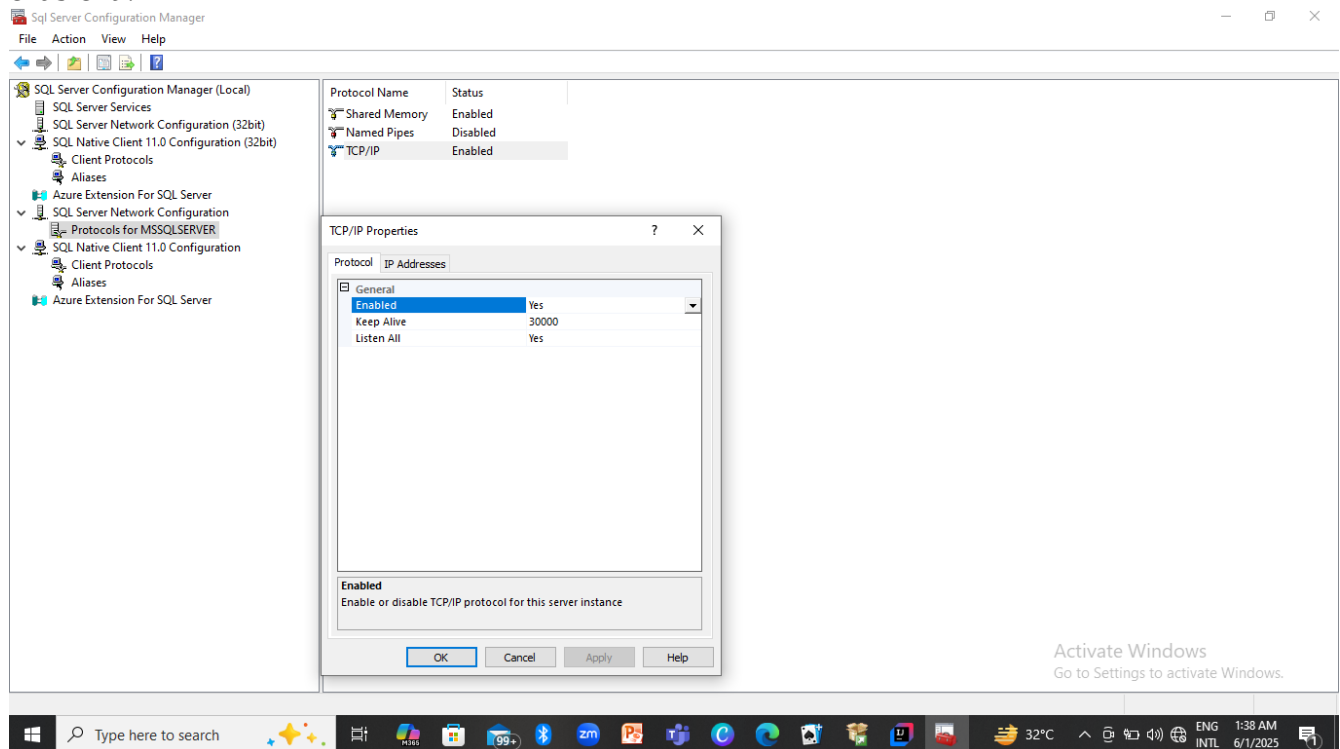


How to configure ms sql server on windows (7-11)

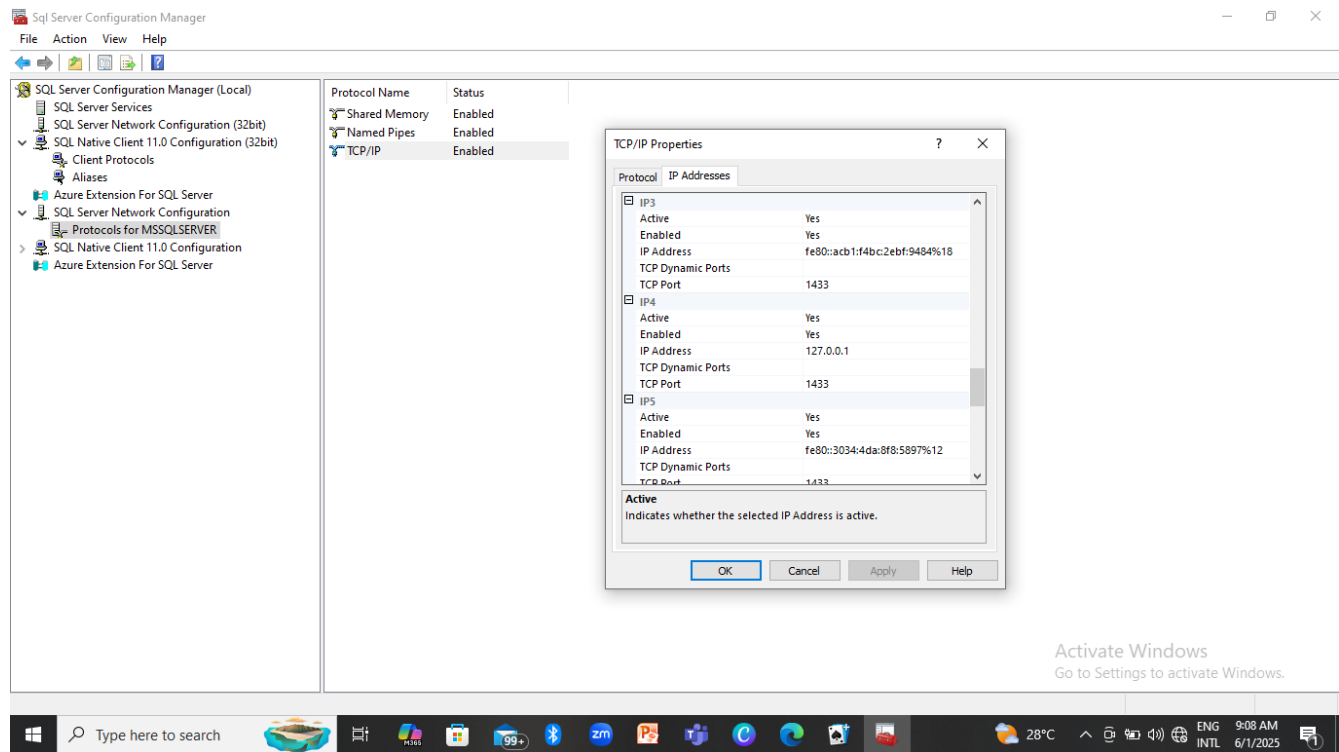
1. Download driver files from the official website according to java version
2. Extract the downloaded zip file
3. Add jar file to path or use maven
4. From the auth folder copy and paste the auth.dll to java/bin/
5. update the connection parameter to use integratedSecurity
6. enable tcp/ip on sql server console
7. add a firewall service to allow connections on port 1433

SnapShots :

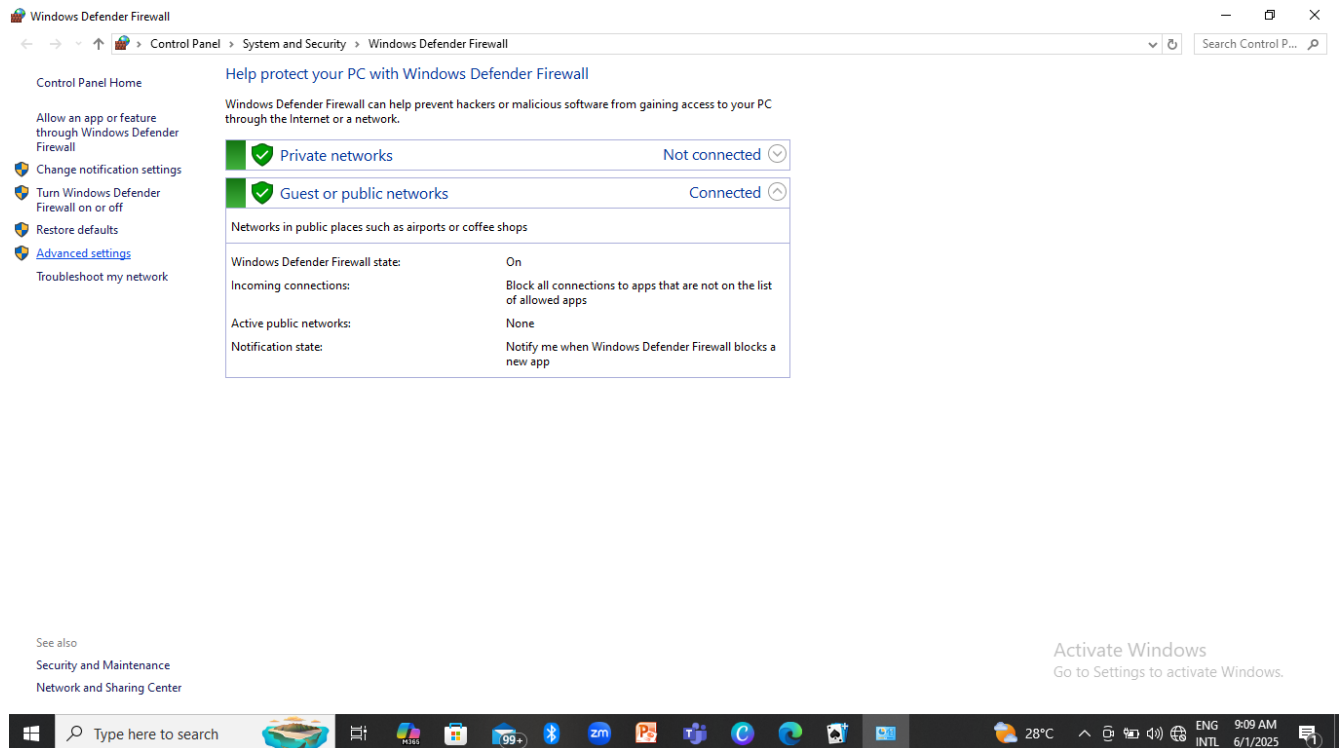
open ms sql server configuration management , search or look into start menu
enable it :



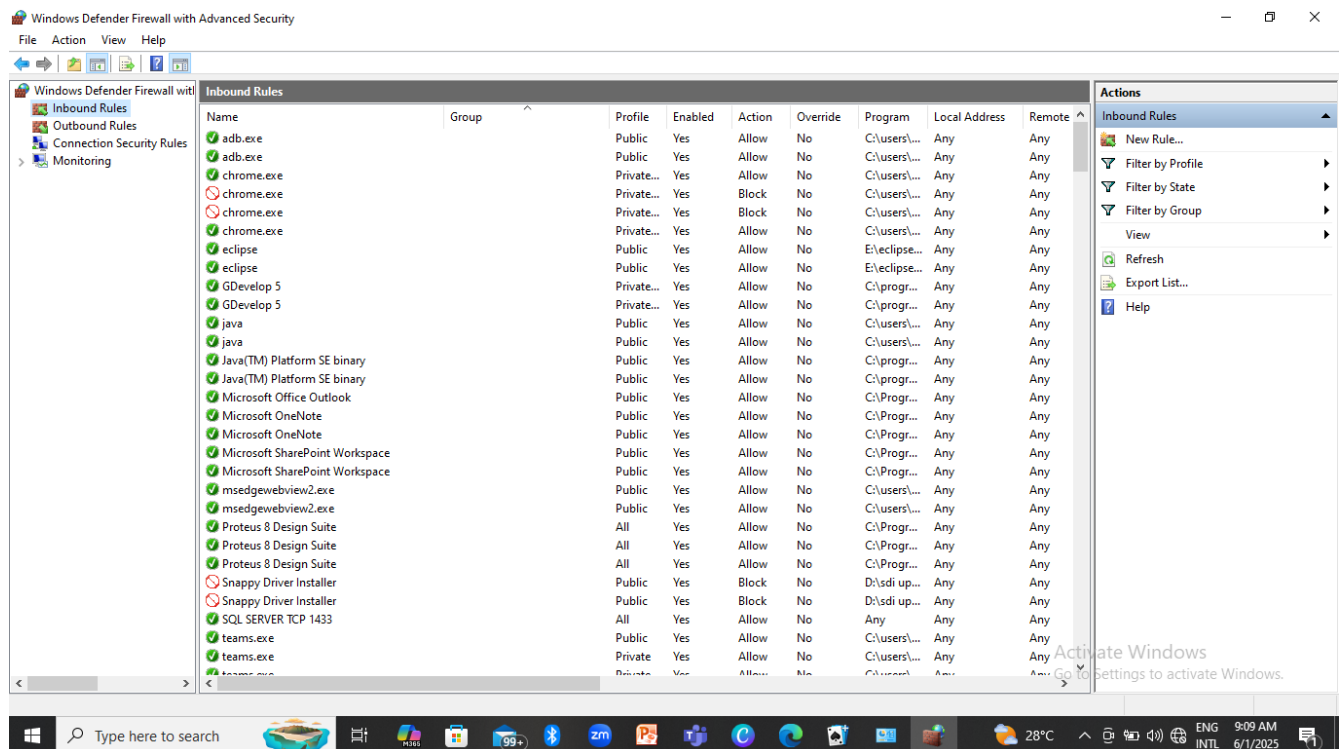
The screenshot shows the SQL Server Configuration Manager with the 'SQL Native Client 11.0 Configuration (32bit)' selected. The 'TCP/IP' protocol is enabled. The 'IP Addresses' tab is active, showing a list of IP addresses. The 'IP8' address is selected, and its 'Active' checkbox is checked. The 'IP9' and 'IP Address II' addresses are also listed, but their 'Active' checkboxes are unchecked. The 'Active' checkbox at the bottom indicates that the selected IP Address is active.

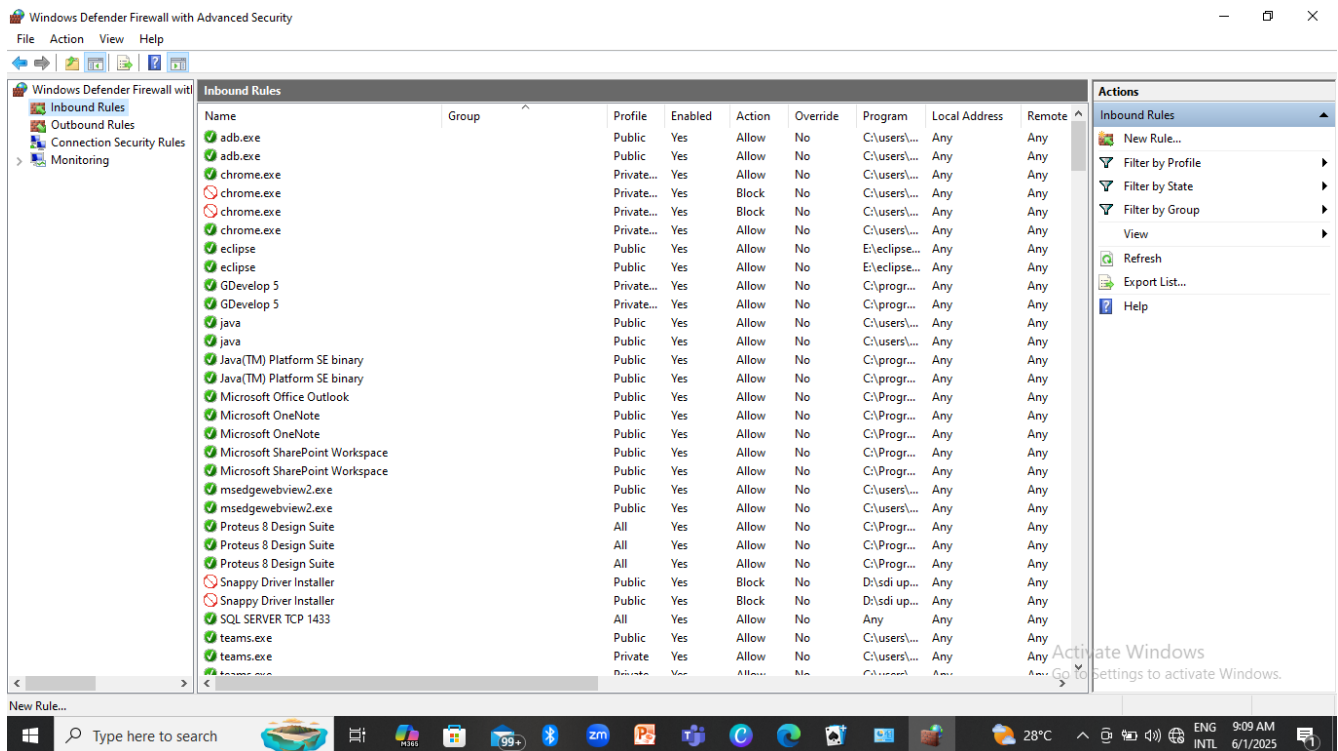


open control panel > system and security > firewall and go to advanced settings

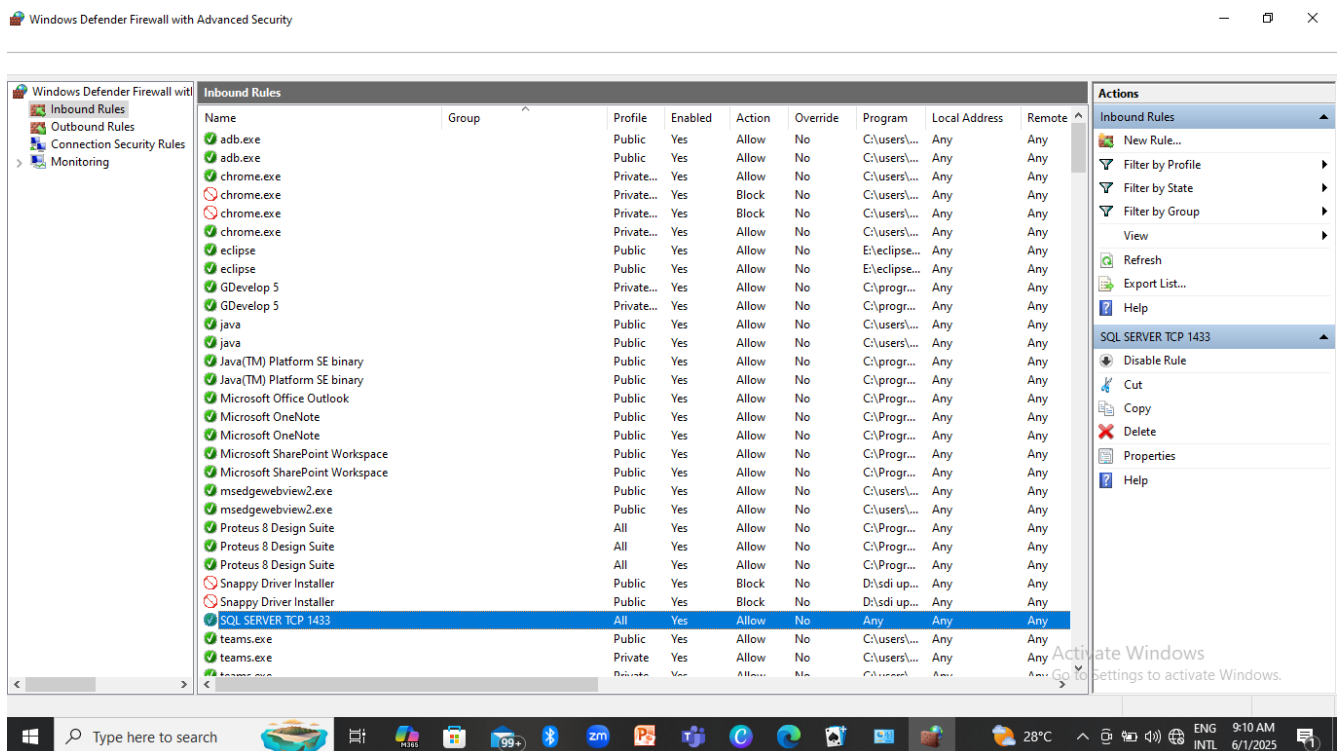


add a new in bound rule for sql server tcp connection on 1433

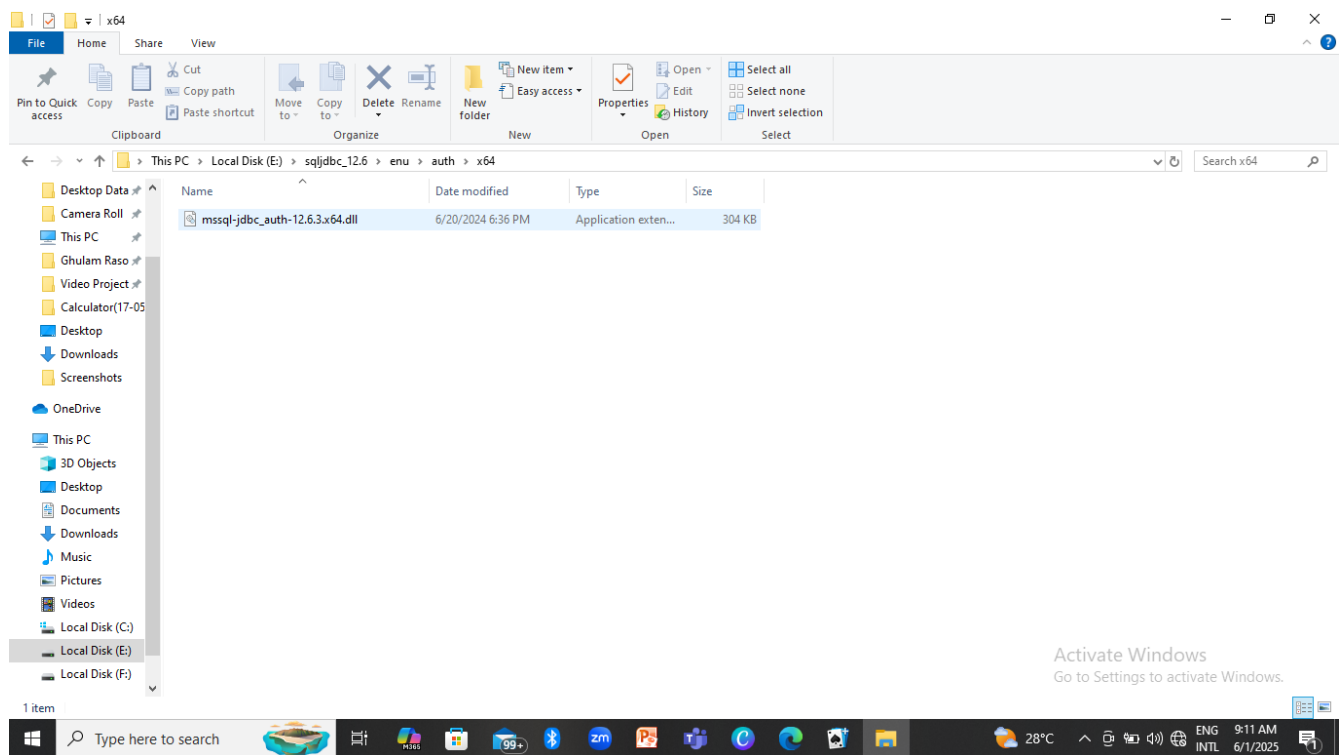




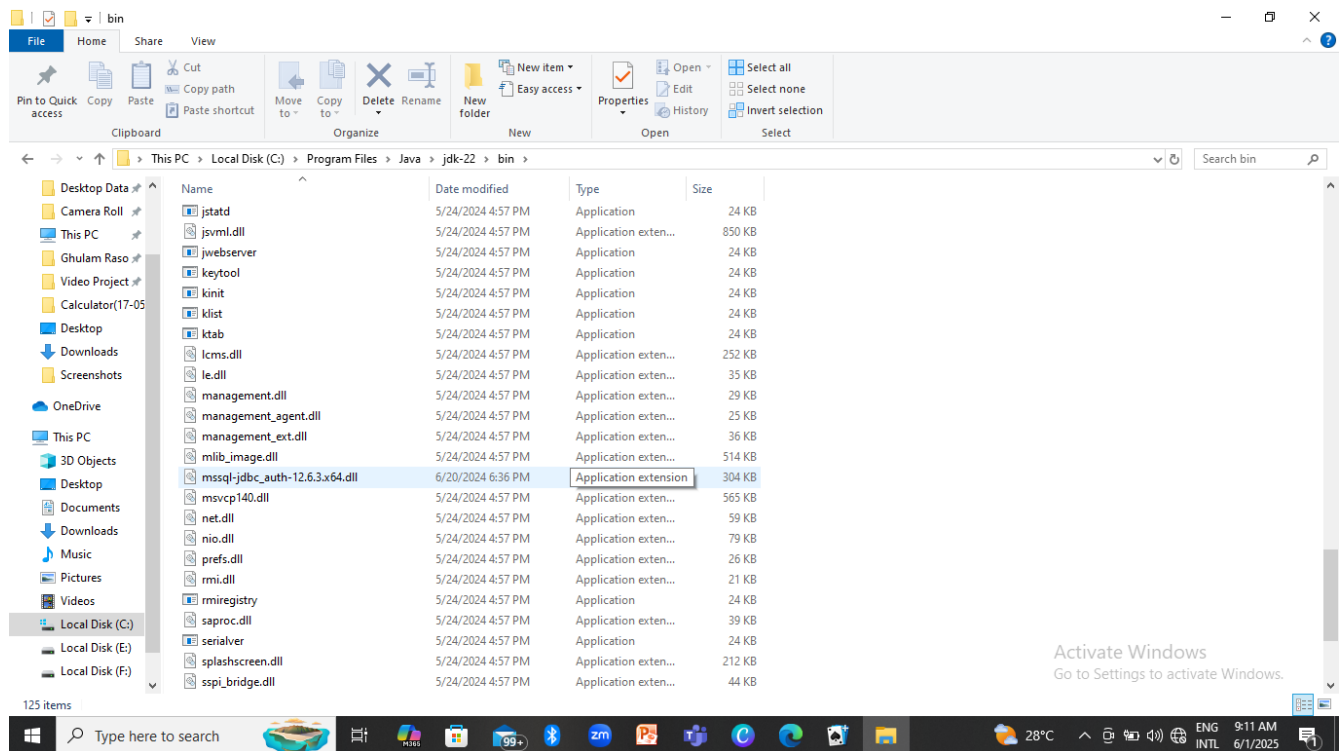
add a new in bound rule for sql server tcp connection on 1433



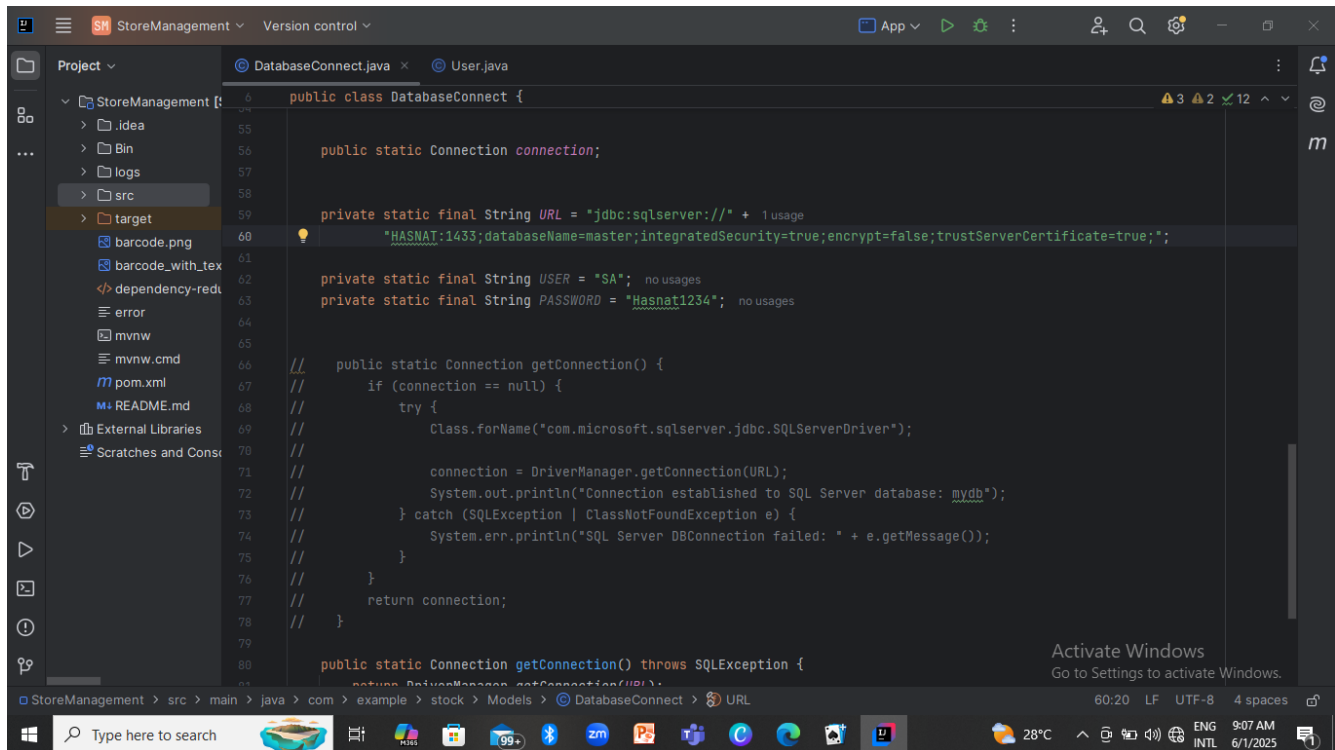
visit official website search for ms sql server driver files , check previous releases to match versin e.g 12.6.3 download that zip file , extract , locate auth folder and and copy dll file



paste that dll file to java/version/bin folder



finally update the connection string url to use windows auth and trust server to true !



The screenshot shows an IDE window with the file `DatabaseConnect.java` open. The code defines a `public class DatabaseConnect` with several static fields and methods. The `URL` field is updated to use Windows authentication and server trust. The `USER` and `PASSWORD` fields are also defined. The `getConnection()` method is implemented with a try-catch block to handle exceptions. The IDE interface includes a project explorer on the left, a toolbar at the top, and a status bar at the bottom.

```
54 public class DatabaseConnect {
55
56     public static Connection connection;
57
58
59     private static final String URL = "jdbc:sqlserver://* + 1 usage
60     "HASNAT:1433;databaseName=master;integratedSecurity=true;encrypt=false;trustServerCertificate=true;";
61
62     private static final String USER = "SA"; no usages
63     private static final String PASSWORD = "Hasnat1234"; no usages
64
65
66     // public static Connection getConnection() {
67     //     if (connection == null) {
68     //         try {
69     //             Class.forName("com.microsoft.sqlserver.jdbc.SQLServerDriver");
70     //             connection = DriverManager.getConnection(URL);
71     //             System.out.println("Connection established to SQL Server database: mydb");
72     //         } catch (SQLException | ClassNotFoundException e) {
73     //             System.err.println("SQL Server DBConnection failed: " + e.getMessage());
74     //         }
75     //     }
76     //     return connection;
77     // }
78
79     public static Connection getConnection() throws SQLException {
80         return DriverManager.getConnection(URL);
81     }
82 }
```

Activate Windows
Go to Settings to activate Windows.

StoreManagement > src > main > java > com > example > stock > Models > DatabaseConnect > URL

60:20 LF UTF-8 4 spaces

Type here to search

28°C 9:07 AM 6/1/2025