

```
File Edit View Navigate Code Refactor Build Run Tools Git Window Help Main [...\22517 - Advanced Java Programming)\Practical\Practical No. 14\Main] - InetDemo.java

Main > InetDemo > main

Project
InetDemo.java
3
4 public class InetDemo
5 {
6     public static void main(String[] args)
7     {
8         try
9         {
10             InetAddress ip = InetAddress.getByName( host: "localhost");
11             System.out.println("Host Name: "+ip.getHostName());
12             System.out.println("IP Address: "+ip.getHostAddress());
13         }
14         catch(Exception e)
15         {}
16     }
17 }

Run: InetDemo
"C:\Program Files\Java\jdk-18.0.2.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.2\lib\idea_rt.jar=
Host Name: localhost
IP Address: 127.0.0.1

Process finished with exit code 0

Build completed successfully in 3 sec, 668 ms (moments ago)
8:12 CRLF UTF-8 Tab* main
```

```
File Edit View Navigate Code Refactor Build Run Tools Git Window Help Question No. 1 [...\22517 - Advanced Java Programming)\Practical\Practical No. 14\Question No. 1] - FindIP.java

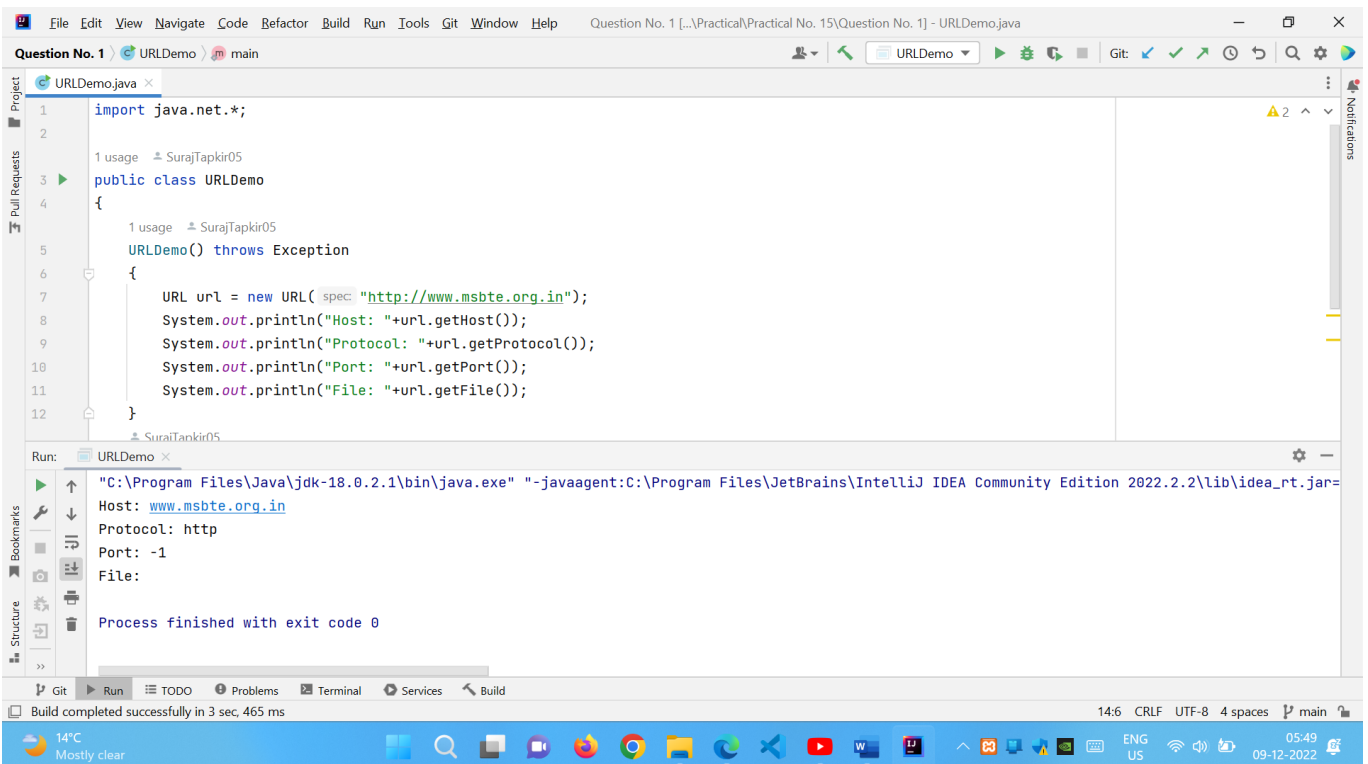
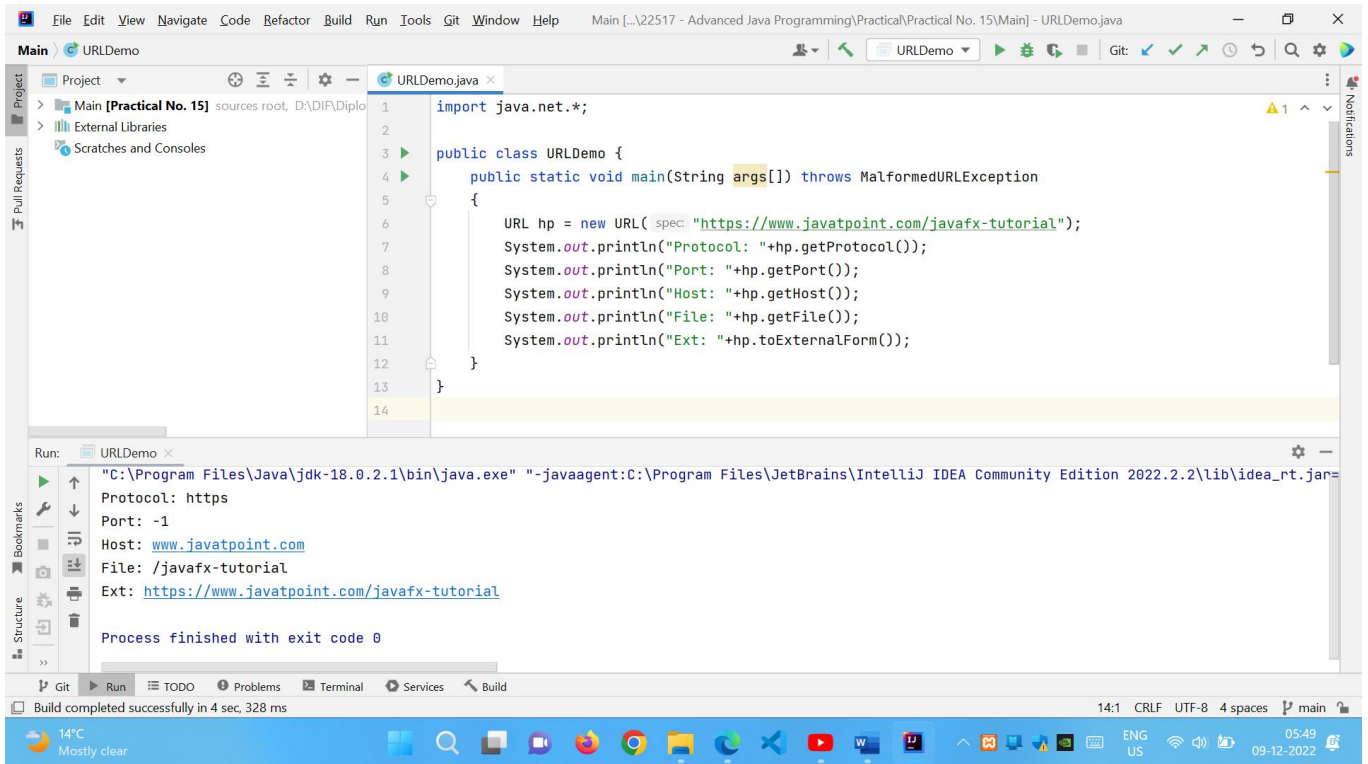
Question No. 1 > FindIP > find

Project
FindIP.java
1 import java.net.InetAddress;
2 import java.util.Scanner;
3
4 public class FindIP {
5     void find()
6     {
7         try
8         {
9             Scanner sc = new Scanner(System.in);
10            System.out.println("Enter Hostname: ");
11            String s = sc.next();
12
13            if(s.equals("localhost"))
14            {
15                // ...
16            }
17        }
18        catch (Exception e) {}
19    }
20 }

Run: FindIP
"C:\Program Files\Java\jdk-18.0.2.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.2\lib\idea_rt.jar=
Enter Hostname:
localhost
IP Address: 127.0.0.1

Process finished with exit code 0

All files are up-to-date (moments ago)
7:1 CRLF UTF-8 4 spaces main
```



The screenshot shows the IntelliJ IDEA interface with a project named "Question No. 2 - URLEDemo1". The main editor displays the code for "URLEDemo1.java". The code imports `java.net.URL` and `java.net.URLConnection`, and defines a `public class URLEDemo1` with a constructor `URLEDemo1() throws Exception`. Inside the constructor, it creates a `URL` object for `"http://www.msbte.org.in"`, opens a `URLConnection`, and prints the date, content type, and content length.

```
1 import java.net.URL;
2 import java.net.URLConnection;
3
4 public class URLEDemo1 {
5     URLEDemo1() throws Exception
6     {
7         URL url = new URL( "http://www.msbte.org.in");
8         URLConnection urc = url.openConnection();
9
10        System.out.println("Date: "+urc.getDate());
11        System.out.println("Content Type: "+urc.getContentType());
12        System.out.println("Content Length: "+urc.getContentLength());
13    }
14 }
```

The Run window shows the output of the program:

```
"C:\Program Files\Java\jdk-18.0.2.1\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.2.2\lib\idea_rt.jar=
Date: 1670545210000
Content Type: text/html; charset=UTF-8
Content Length: 148

Process finished with exit code 0
```

The status bar at the bottom indicates the file is up-to-date, the encoding is UTF-8, and the IDE is running on Windows.

The screenshot shows the IntelliJ IDEA interface with a project named "Main [..]22517 - Advanced Java Programming\Practical\Practical No. 16\Main". The main editor displays the code for "Server.java" and "Client.java". The code defines a `Server` class that reads user input and validates it against a hardcoded username and password. The `Client` class is also shown, which prompts the user for their ID and password.

```
12 DataInputStream in = new DataInputStream(s.getInputStream());
13 DataOutputStream out = new DataOutputStream(s.getOutputStream());
14
15 String Userid = in.readUTF();
16 String pass = in.readUTF();
17 if(Userid.equals("1238") && pass.equals("Surya@1238"))
18 {
19     String validate = "Authenticated Successfully!!!";
20     out.writeUTF(validate);
21 }
22 else
23 {
24     String str = "Enter correct details!!!";
25     out.writeUTF(str);
26 }
```

The Run window shows the output of the program:

```
Enter User ID:
1238
Enter Password:
Surya@1238
Authenticated Successfully!!!

Process finished with exit code 0
```

The status bar at the bottom indicates the build completed successfully in 1 sec, 569 ms (moments ago), the encoding is UTF-8, and the IDE is running on Windows.

