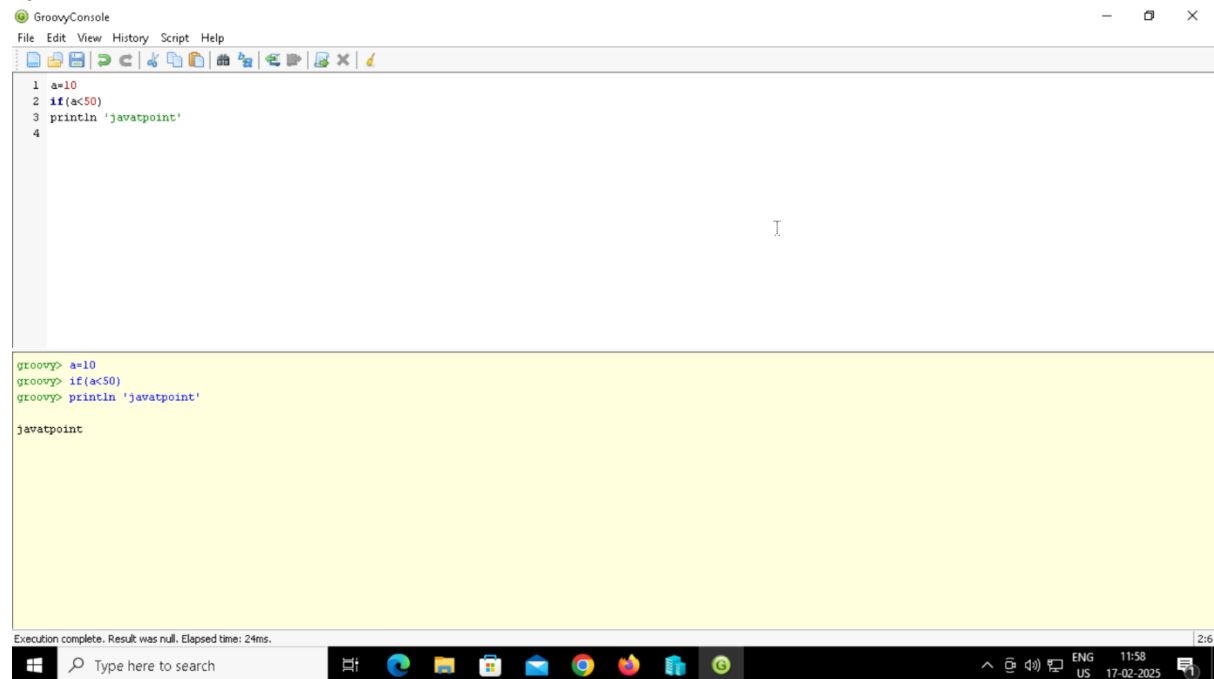


Groovy Conditionals

Q.



The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script editor contains the following code:

```
1 a=10
2 if(a<50)
3   println 'javatpoint'
4
```

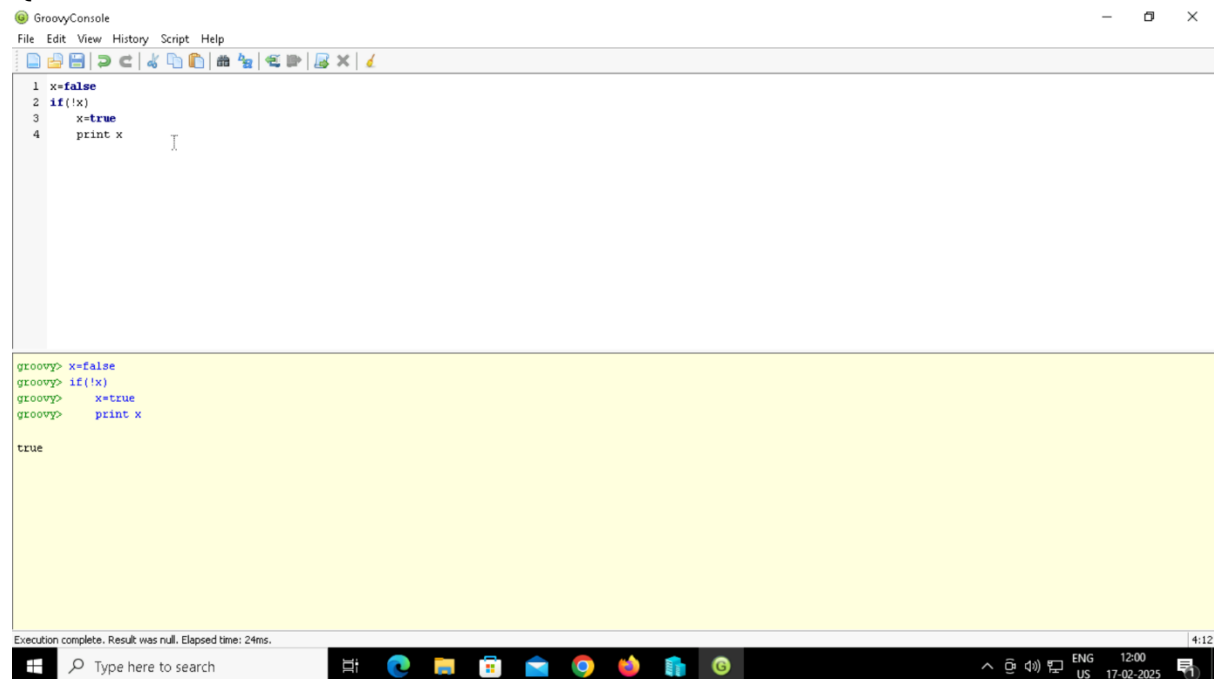
The console output area shows the execution results:

```
groovy> a=10
groovy> if(a<50)
groovy> println 'javatpoint'

javatpoint
```

At the bottom, a status bar indicates "Execution complete. Result was null. Elapsed time: 24ms." The Windows taskbar at the bottom shows the search bar and various application icons.

Q.



The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script editor contains the following code:

```
1 x=false
2 if(!x)
3   x=true
4   print x
```

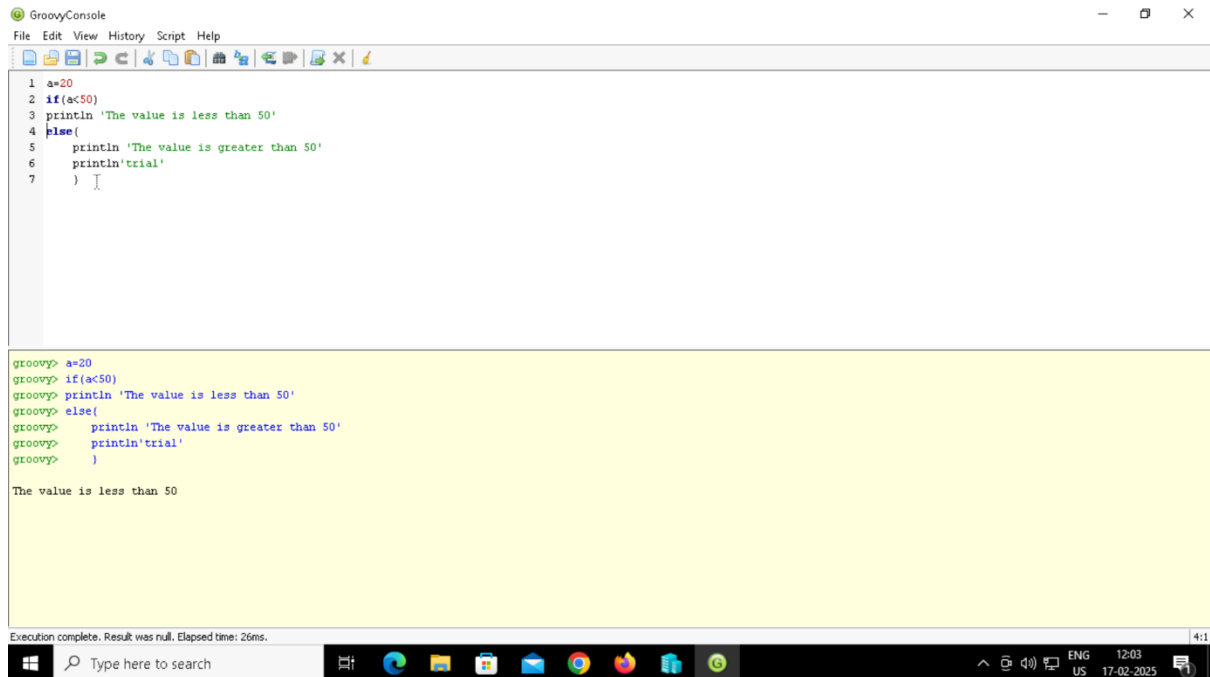
The console output area shows the execution results:

```
groovy> x=false
groovy> if(!x)
groovy>   x=true
groovy>   print x

true
```

At the bottom, a status bar indicates "Execution complete. Result was null. Elapsed time: 24ms." The Windows taskbar at the bottom shows the search bar and various application icons.

Q.



GroovyConsole

```
File Edit View History Script Help
```

```
1 a=20
2 if(a<50)
3     println 'The value is less than 50'
4 else{
5     println 'The value is greater than 50'
6     println'trial'
7 }
```

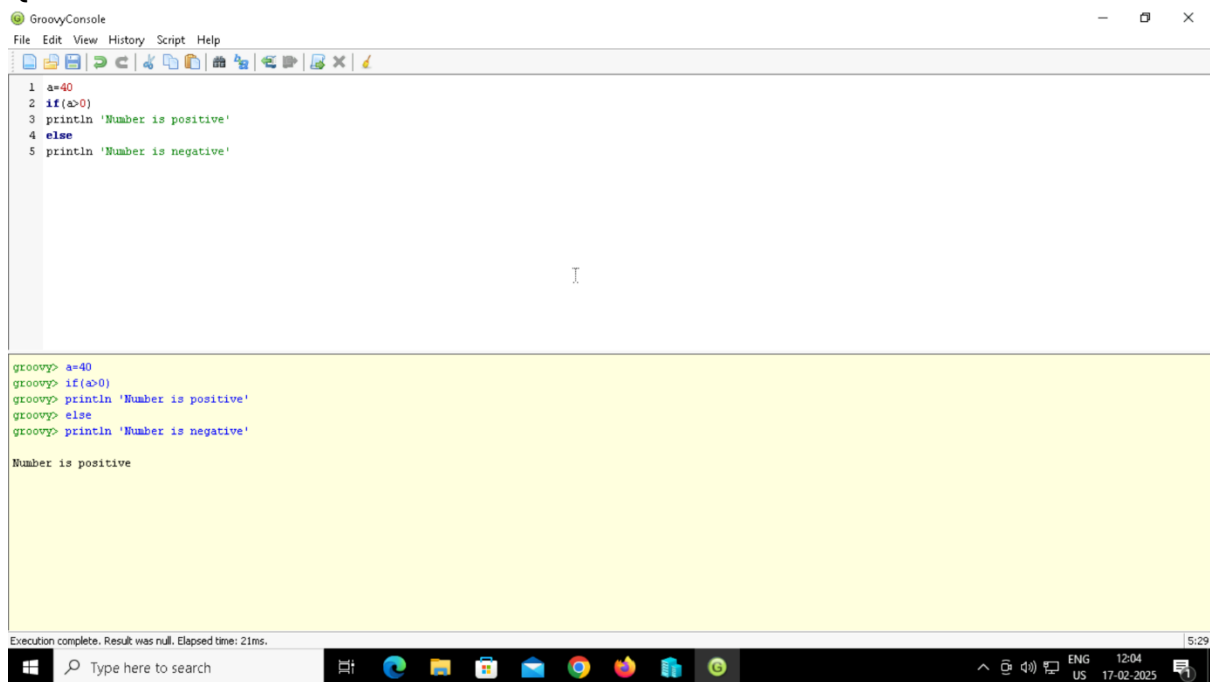
```
groovy> a=20
groovy> if(a<50)
groovy> println 'The value is less than 50'
groovy> else{
groovy>     println 'The value is greater than 50'
groovy>     println'trial'
groovy> }
```

The value is less than 50

Execution complete. Result was null. Elapsed time: 26ms.

Windows taskbar: Type here to search, 12:03, 17-02-2025

Q.



GroovyConsole

```
File Edit View History Script Help
```

```
1 a=40
2 if(a>0)
3     println 'Number is positive'
4 else
5     println 'Number is negative'
```

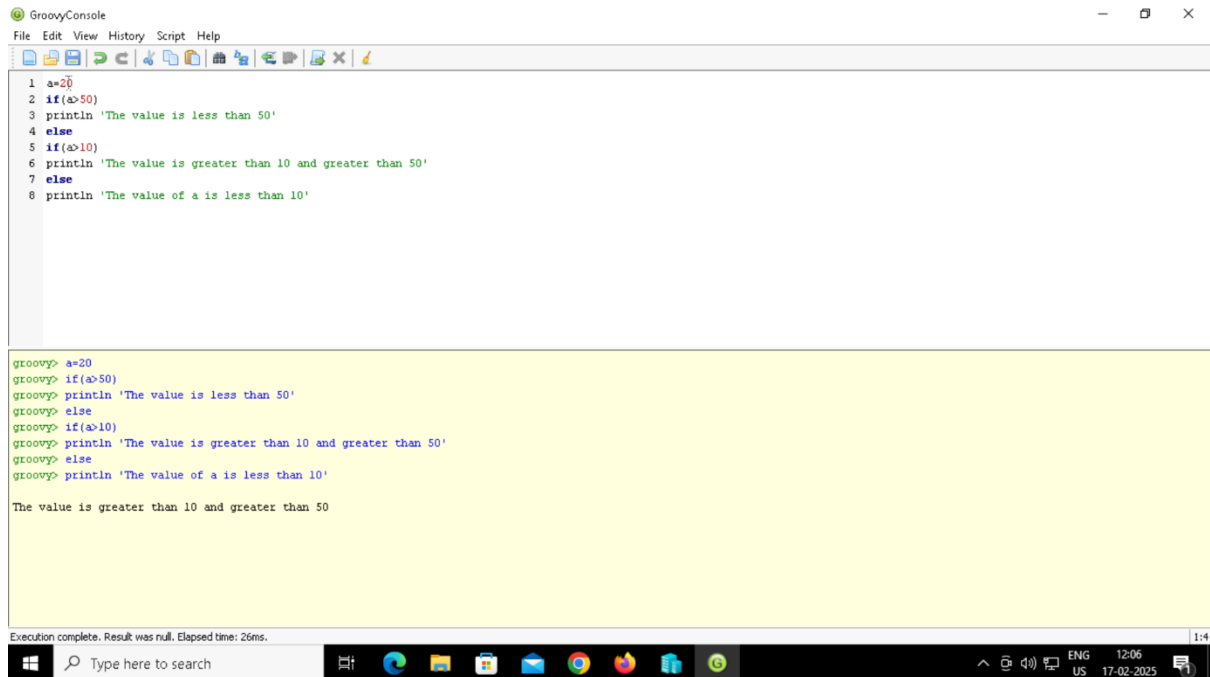
```
groovy> a=40
groovy> if(a>0)
groovy> println 'Number is positive'
groovy> else
groovy> println 'Number is negative'
```

Number is positive

Execution complete. Result was null. Elapsed time: 21ms.

Windows taskbar: Type here to search, 12:04, 17-02-2025

Q.



The screenshot shows the GroovyConsole application window. The top pane contains the following Groovy code:

```
1 a=20
2 if(a>50)
3     println 'The value is less than 50'
4 else
5     if(a>10)
6         println 'The value is greater than 10 and greater than 50'
7     else
8         println 'The value of a is less than 10'
```

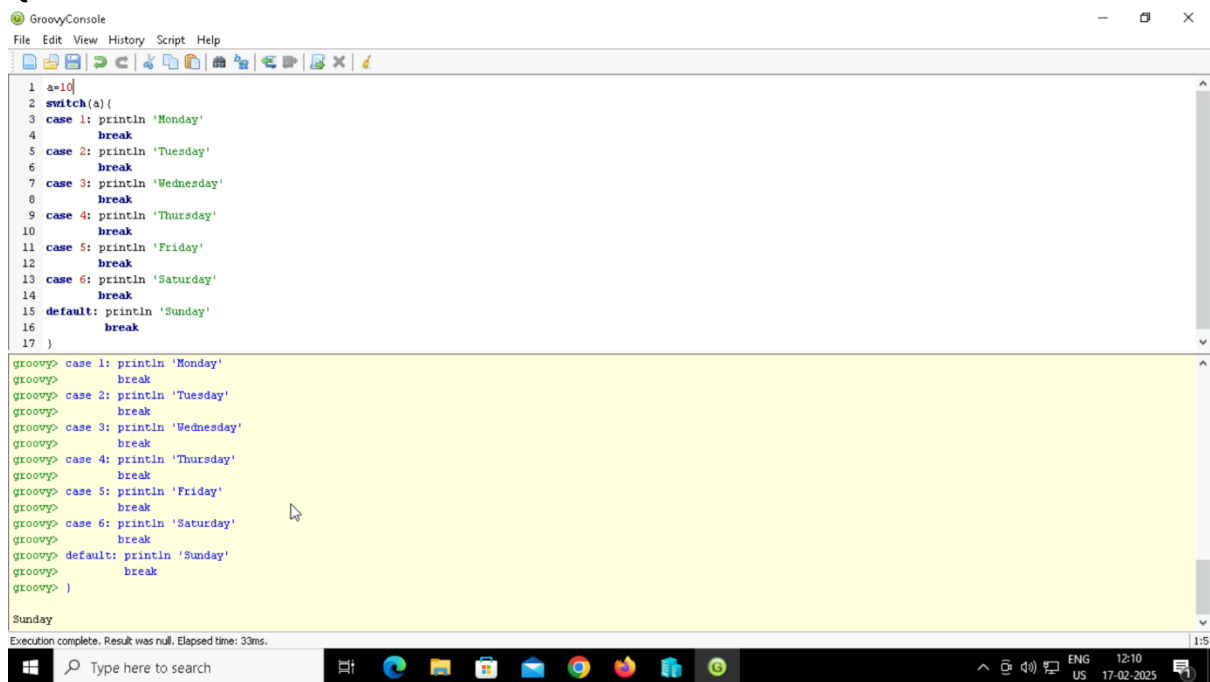
The bottom pane shows the execution output:

```
groovy> a=20
groovy> if(a>50)
groovy> println 'The value is less than 50'
groovy> else
groovy> if(a>10)
groovy> println 'The value is greater than 10 and greater than 50'
groovy> else
groovy> println 'The value of a is less than 10'

The value is greater than 10 and greater than 50
```

At the bottom, a status bar indicates: "Execution complete. Result was null. Elapsed time: 26ms."

Q.



The screenshot shows the GroovyConsole application window. The top pane contains the following Groovy code:

```
1 a=10
2 switch(a){
3     case 1: println 'Monday'
4         break
5     case 2: println 'Tuesday'
6         break
7     case 3: println 'Wednesday'
8         break
9     case 4: println 'Thursday'
10        break
11    case 5: println 'Friday'
12        break
13    case 6: println 'Saturday'
14        break
15    default: println 'Sunday'
16        break
17 }
```

The bottom pane shows the execution output:

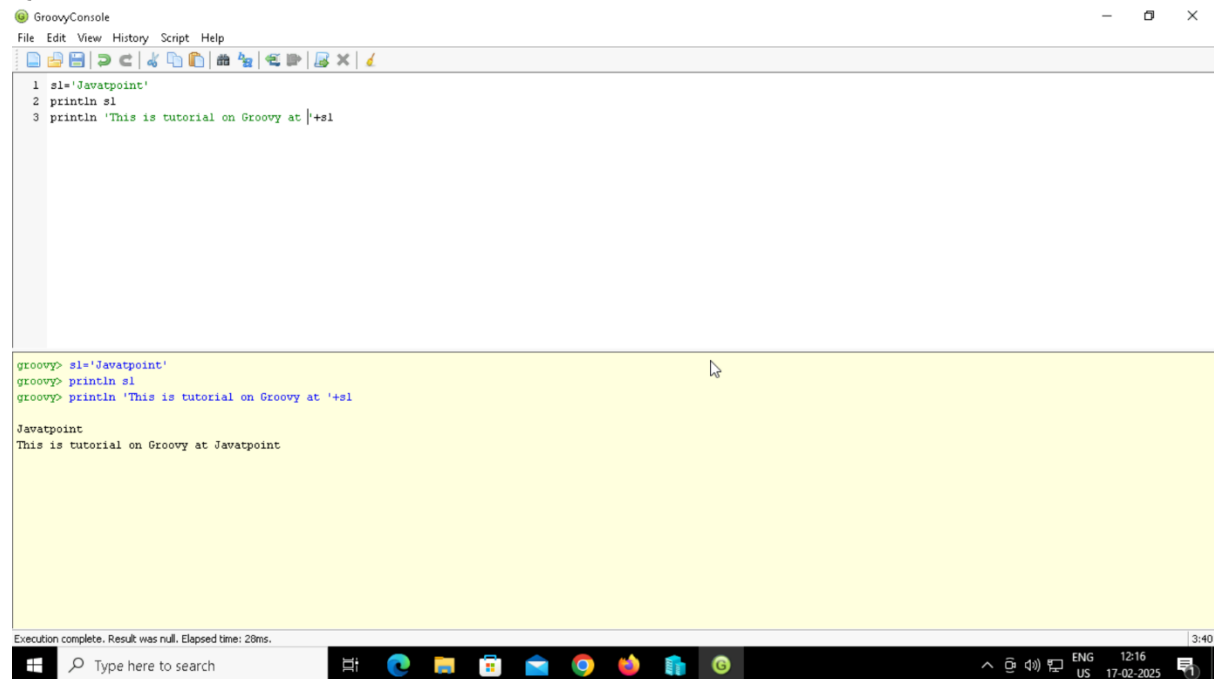
```
groovy> case 1: println 'Monday'
groovy> break
groovy> case 2: println 'Tuesday'
groovy> break
groovy> case 3: println 'Wednesday'
groovy> break
groovy> case 4: println 'Thursday'
groovy> break
groovy> case 5: println 'Friday'
groovy> break
groovy> case 6: println 'Saturday'
groovy> break
groovy> default: println 'Sunday'
groovy> break
groovy> )

Sunday
```

At the bottom, a status bar indicates: "Execution complete. Result was null. Elapsed time: 33ms."

Strings

Q.



The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script editor contains the following code:

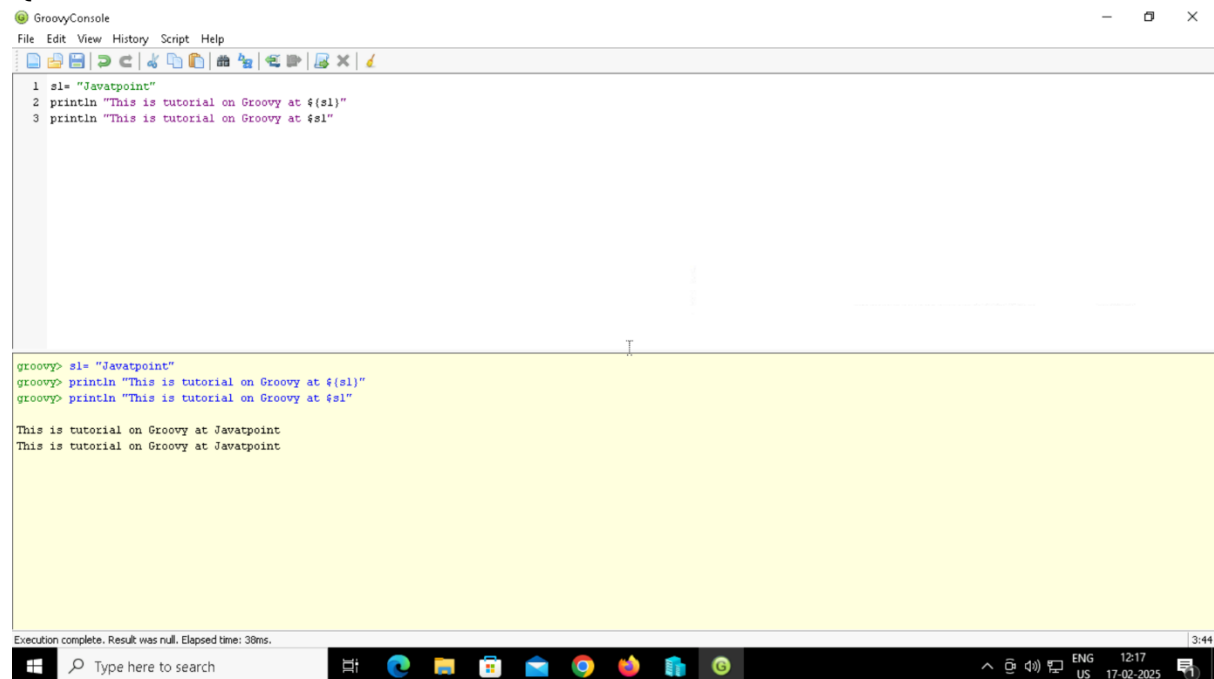
```
1 s1='Javatpoint'  
2 println s1  
3 println 'This is tutorial on Groovy at '+s1
```

The output console shows the following output:

```
groovy> s1='Javatpoint'  
groovy> println s1  
groovy> println 'This is tutorial on Groovy at '+s1  
  
Javatpoint  
This is tutorial on Groovy at Javatpoint
```

At the bottom, a status bar indicates "Execution complete. Result was null. Elapsed time: 28ms." The Windows taskbar is visible at the bottom with the search bar and various application icons.

Q.



The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script editor contains the following code:

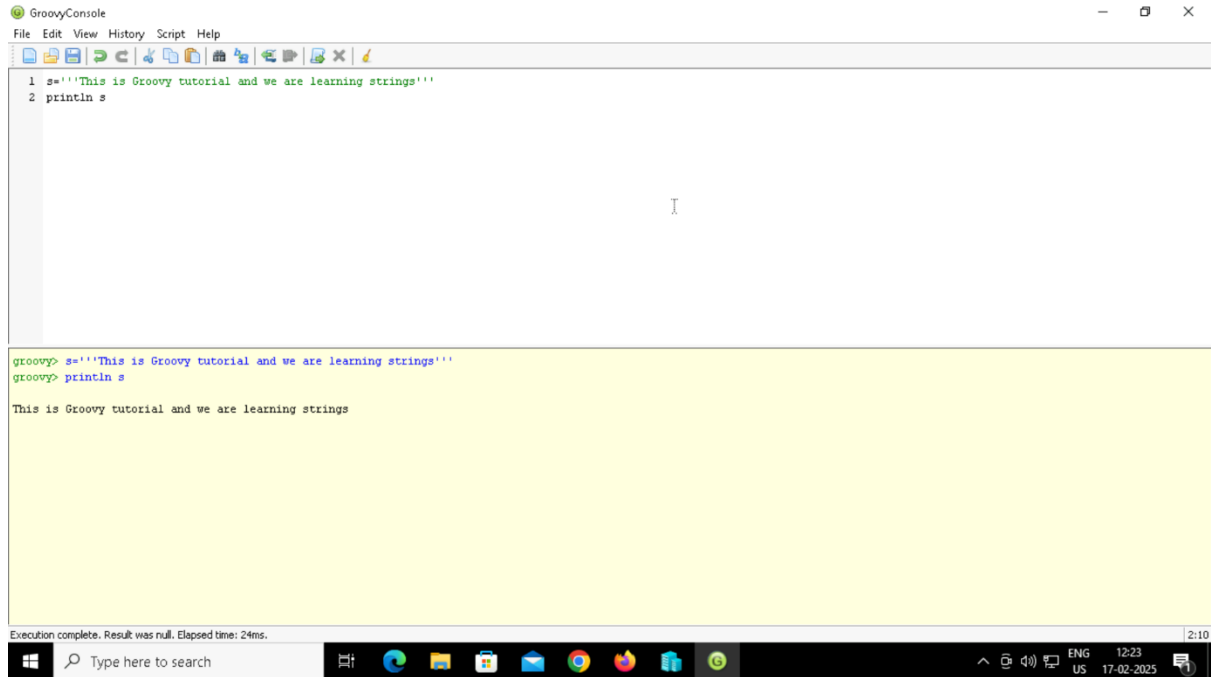
```
1 s1="Javatpoint"  
2 println "This is tutorial on Groovy at ${s1}"  
3 println "This is tutorial on Groovy at $s1"
```

The output console shows the following output:

```
groovy> s1="Javatpoint"  
groovy> println "This is tutorial on Groovy at ${s1}"  
groovy> println "This is tutorial on Groovy at $s1"  
  
This is tutorial on Groovy at Javatpoint  
This is tutorial on Groovy at Javatpoint
```

At the bottom, a status bar indicates "Execution complete. Result was null. Elapsed time: 38ms." The Windows taskbar is visible at the bottom with the search bar and various application icons.

Q.



The screenshot shows the GroovyConsole application window. The menu bar includes File, Edit, View, History, Script, and Help. The toolbar contains icons for file operations and execution. The script editor contains two lines of code: `1 s='''This is Groovy tutorial and we are learning strings'''` and `2 println s`. The output pane shows the execution result: `groovy> s='''This is Groovy tutorial and we are learning strings'''`, `groovy> println s`, and the printed text `This is Groovy tutorial and we are learning strings`. The status bar at the bottom indicates "Execution complete. Result was null. Elapsed time: 24ms." and shows the system clock as 12:23 on 17-02-2025.

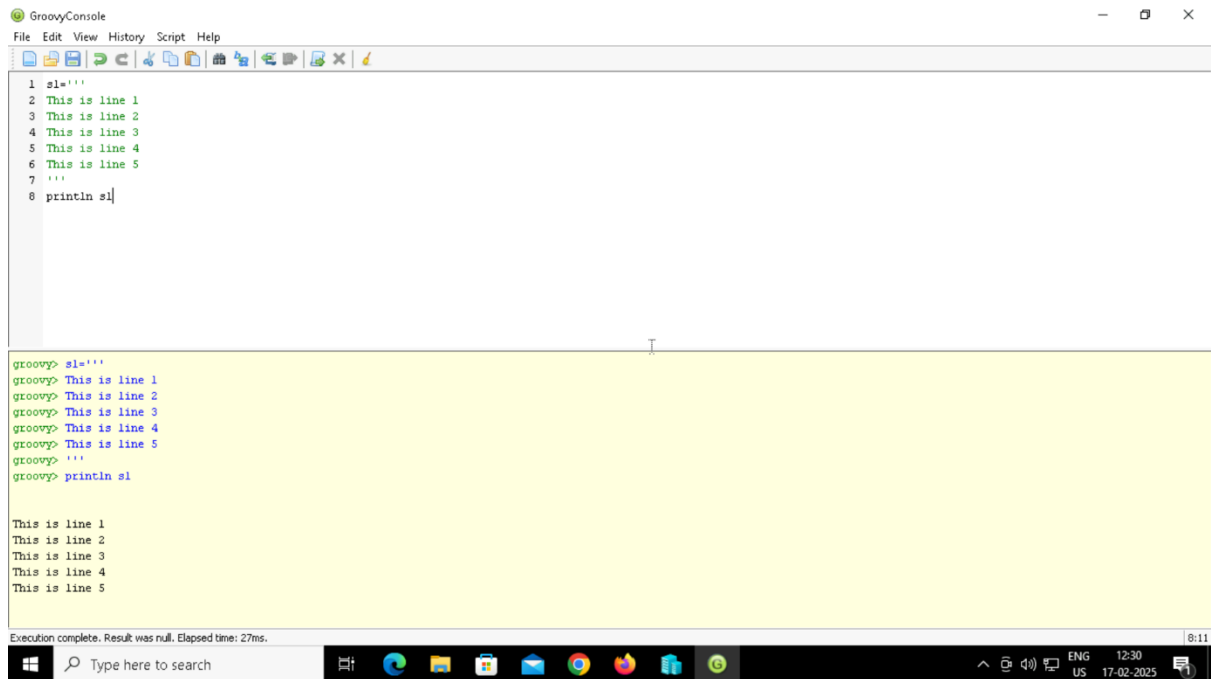
```
1 s='''This is Groovy tutorial and we are learning strings'''
2 println s
```

```
groovy> s='''This is Groovy tutorial and we are learning strings'''
groovy> println s

This is Groovy tutorial and we are learning strings
```

Execution complete. Result was null. Elapsed time: 24ms.

Q.



The screenshot shows the GroovyConsole application window. The menu bar includes File, Edit, View, History, Script, and Help. The toolbar contains icons for file operations and execution. The script editor contains eight lines of code: `1 s1='''`, `2 This is line 1`, `3 This is line 2`, `4 This is line 3`, `5 This is line 4`, `6 This is line 5`, `7 '''`, and `8 println s1`. The output pane shows the execution result: `groovy> s1='''`, `groovy> This is line 1`, `groovy> This is line 2`, `groovy> This is line 3`, `groovy> This is line 4`, `groovy> This is line 5`, `groovy> '''`, and `groovy> println s1`, followed by the printed text `This is line 1`, `This is line 2`, `This is line 3`, `This is line 4`, and `This is line 5`. The status bar at the bottom indicates "Execution complete. Result was null. Elapsed time: 27ms." and shows the system clock as 12:30 on 17-02-2025.

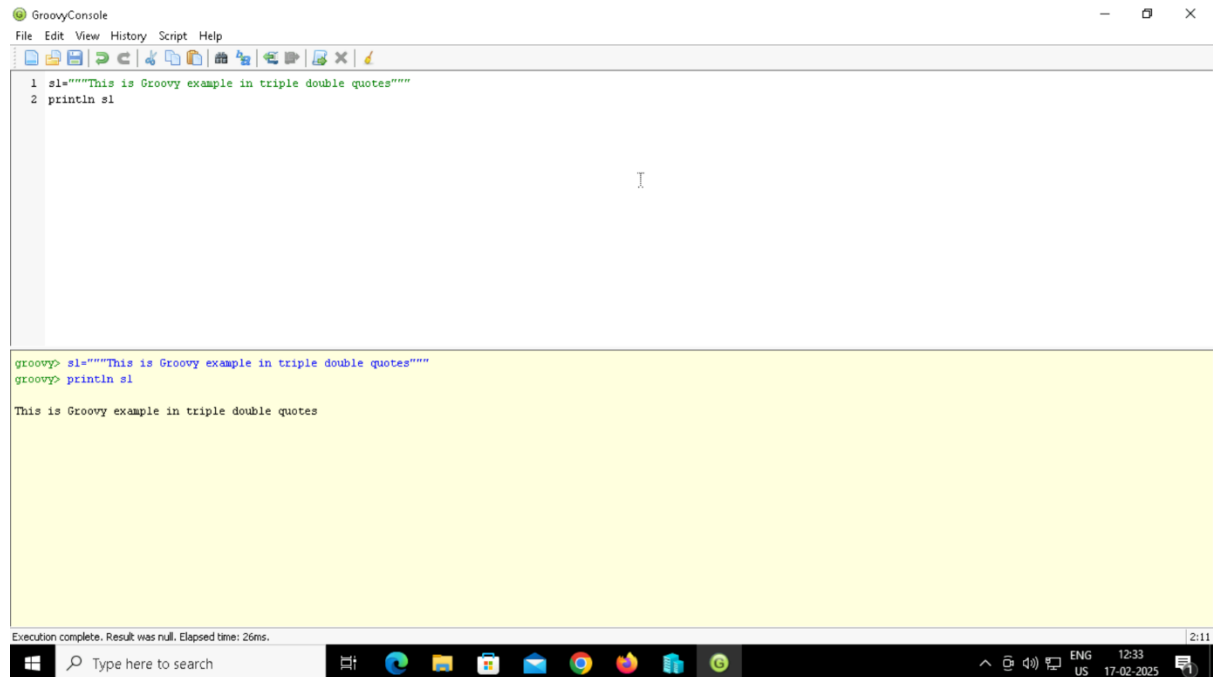
```
1 s1='''
2 This is line 1
3 This is line 2
4 This is line 3
5 This is line 4
6 This is line 5
7 '''
8 println s1
```

```
groovy> s1='''
groovy> This is line 1
groovy> This is line 2
groovy> This is line 3
groovy> This is line 4
groovy> This is line 5
groovy> '''
groovy> println s1

This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
```

Execution complete. Result was null. Elapsed time: 27ms.

Q.



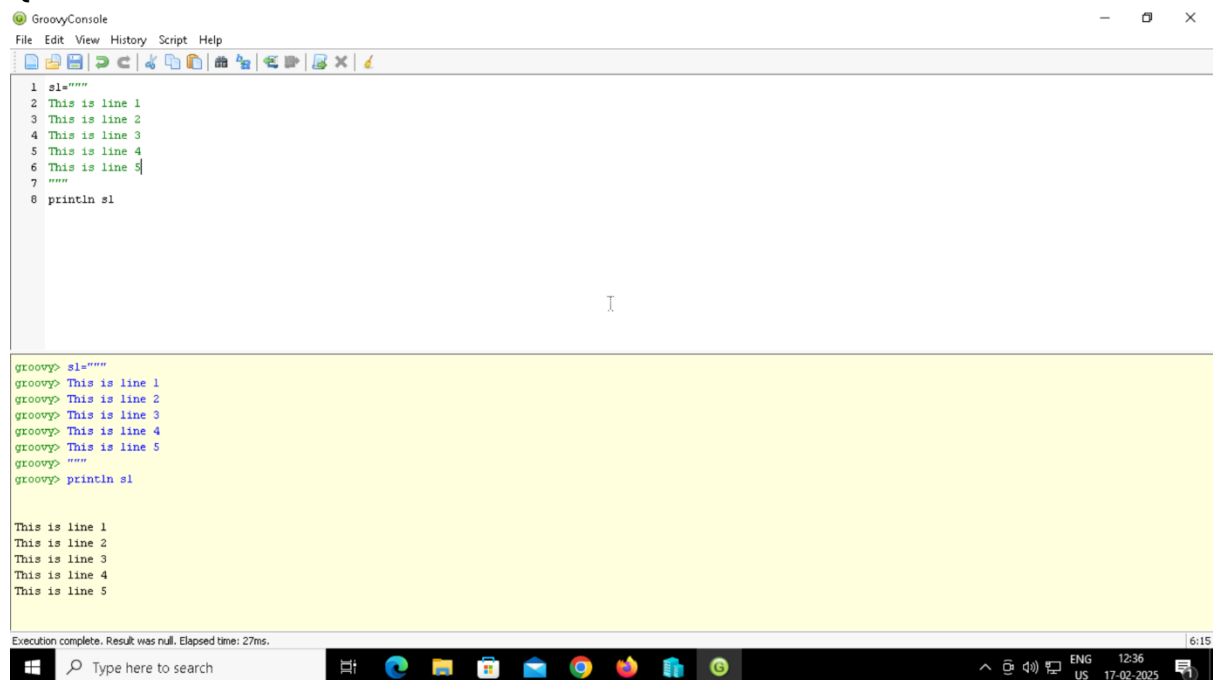
The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script area contains two lines of code: `1 s1=""This is Groovy example in triple double quotes""` and `2 println s1`. The output area, which has a yellow background, shows the command prompt `groovy>` followed by the execution of the script, resulting in the output `This is Groovy example in triple double quotes`. Below the output area, a status bar indicates "Execution complete. Result was null. Elapsed time: 26ms." The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock displaying 12:33 on 17-02-2025.

```
1 s1=""This is Groovy example in triple double quotes""
2 println s1
```

groovy> s1=""This is Groovy example in triple double quotes""
groovy> println s1
This is Groovy example in triple double quotes

Execution complete. Result was null. Elapsed time: 26ms.

Q.



The screenshot shows the GroovyConsole application window with a multi-line script. The script area contains eight lines of code: `1 s1=""`, `2 This is line 1`, `3 This is line 2`, `4 This is line 3`, `5 This is line 4`, `6 This is line 5`, `7 ""`, and `8 println s1`. The output area shows the command prompt `groovy>` followed by the execution of the script, resulting in the output `This is line 1`, `This is line 2`, `This is line 3`, `This is line 4`, and `This is line 5`. Below the output area, a status bar indicates "Execution complete. Result was null. Elapsed time: 27ms." The Windows taskbar at the bottom shows the search bar and various application icons, with the system clock displaying 12:36 on 17-02-2025.

```
1 s1=""
2 This is line 1
3 This is line 2
4 This is line 3
5 This is line 4
6 This is line 5
7 ""
8 println s1
```

groovy> s1=""
groovy> This is line 1
groovy> This is line 2
groovy> This is line 3
groovy> This is line 4
groovy> This is line 5
groovy> ""
groovy> println s1
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5

Execution complete. Result was null. Elapsed time: 27ms.

Q.

The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script editor contains the following code:

```
1 s1=""
2 This is line 1
3 This is line 2
4 This is line 3
5 This is line 4
6 This is line 5
7
8 println ""Hello $s1""
9 println ""Hey $s1""
```

The output console shows the following results:

```
groovy> println ""Hello $s1""
groovy> println ""Hey $s1""

Hello
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5

Hey
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
```

At the bottom, a status bar indicates "Execution complete. Result was null. Elapsed time: 27ms." and the time "9:22". The Windows taskbar is visible at the bottom with the search bar and various application icons.

Q.

The screenshot shows the GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations and execution. The script editor contains the following code:

```
1 s1=/This is Groovy tutorial and we are learning strings/
2 println s1
```

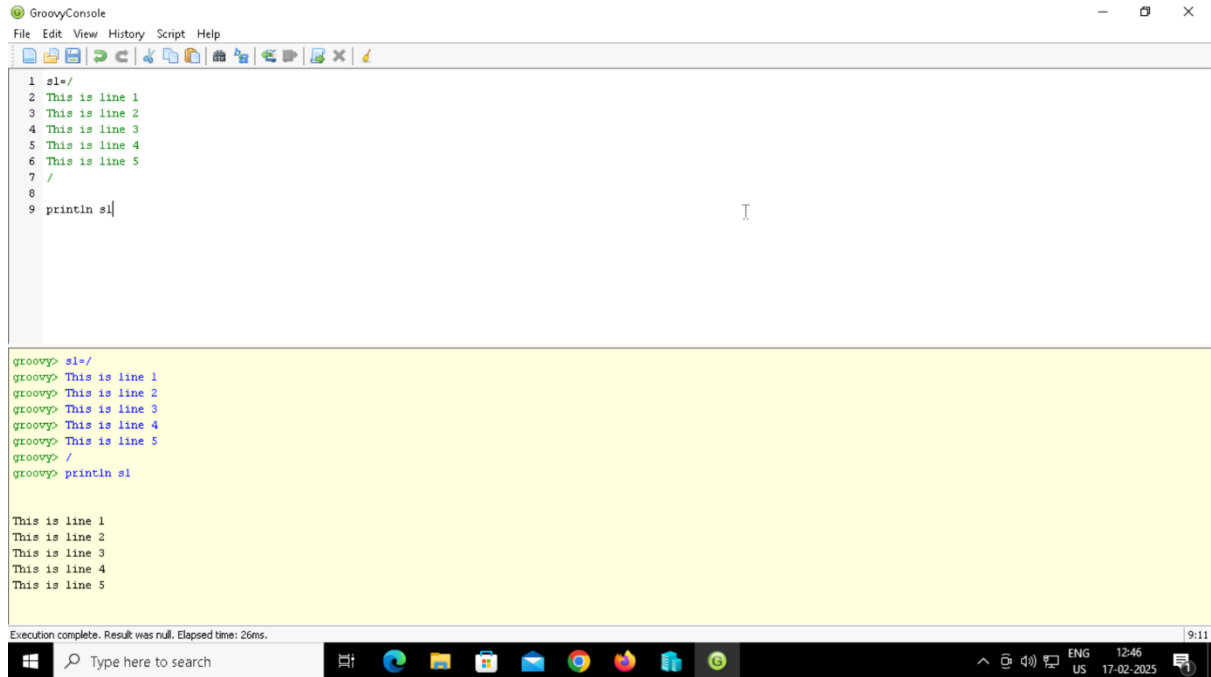
The output console shows the following result:

```
groovy> s1=/This is Groovy tutorial and we are learning strings/
groovy> println s1

This is Groovy tutorial and we are learning strings
```

At the bottom, a status bar indicates "Execution complete. Result was null. Elapsed time: 26ms." and the time "2:11". The Windows taskbar is visible at the bottom with the search bar and various application icons.

Q.



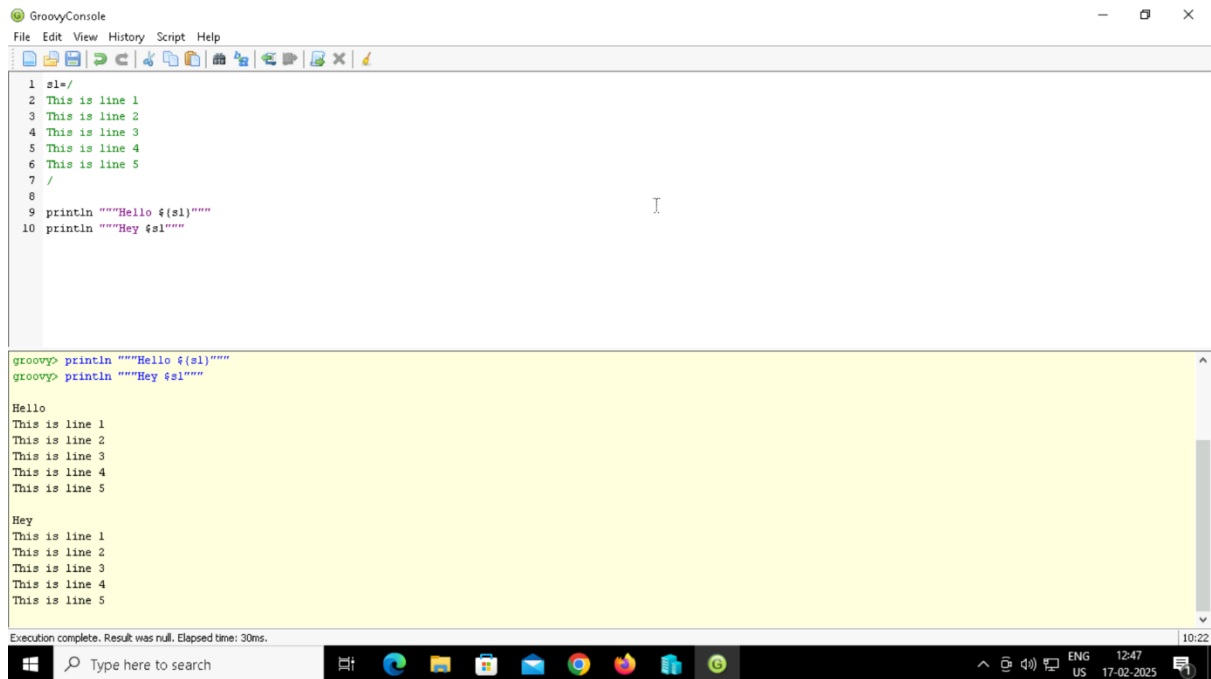
```
1 sl=/
2 This is line 1
3 This is line 2
4 This is line 3
5 This is line 4
6 This is line 5
7 /
8
9 println sl
```

```
groovy> sl=/
groovy> This is line 1
groovy> This is line 2
groovy> This is line 3
groovy> This is line 4
groovy> This is line 5
groovy> /
groovy> println sl

This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
```

Execution complete. Result was null. Elapsed time: 26ms.

Q.



```
1 sl=/
2 This is line 1
3 This is line 2
4 This is line 3
5 This is line 4
6 This is line 5
7 /
8
9 println ""Hello ${sl}""
10 println ""Hey ${sl}""
```

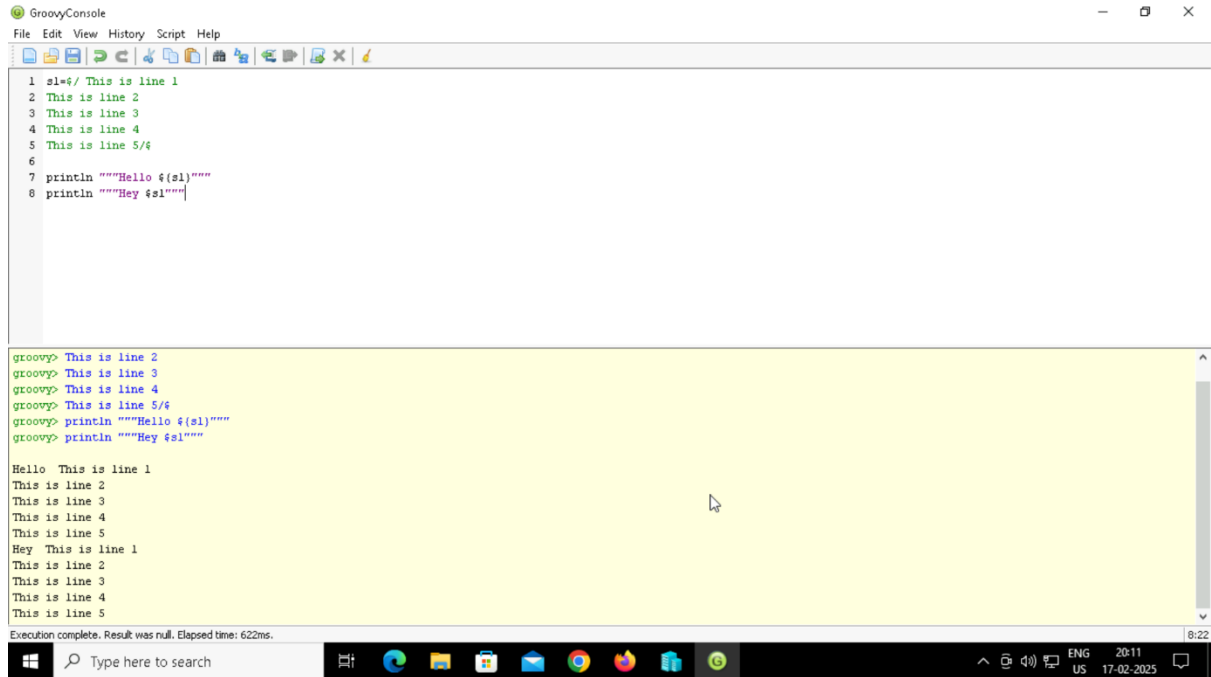
```
groovy> println ""Hello ${sl}""
groovy> println ""Hey ${sl}""

Hello
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5

Hey
This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
```

Execution complete. Result was null. Elapsed time: 30ms.

Q.



The screenshot shows a GroovyConsole application window. The title bar reads "GroovyConsole". The menu bar includes "File", "Edit", "View", "History", "Script", and "Help". The toolbar contains icons for file operations (new, open, save, print), editing (undo, redo, cut, copy, paste), and execution (run, stop). The main text area contains the following Groovy code:

```
1 s1="/ This is line 1
2 This is line 2
3 This is line 3
4 This is line 4
5 This is line 5/"
6
7 println ""Hello ${s1}""
8 println ""Hey ${s1}""
```

The output area, which has a yellow background, shows the execution results:

```
groovy> This is line 2
groovy> This is line 3
groovy> This is line 4
groovy> This is line 5/"
groovy> println ""Hello ${s1}""
groovy> println ""Hey ${s1}""

Hello This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
Hey This is line 1
This is line 2
This is line 3
This is line 4
This is line 5
```

At the bottom of the console, a status bar indicates: "Execution complete. Result was null. Elapsed time: 622ms." The Windows taskbar is visible at the bottom, showing the search bar, taskbar icons, and system tray with the date and time "20:11 17-02-2025".