Decision Making in Groovy

If Statement

Q.
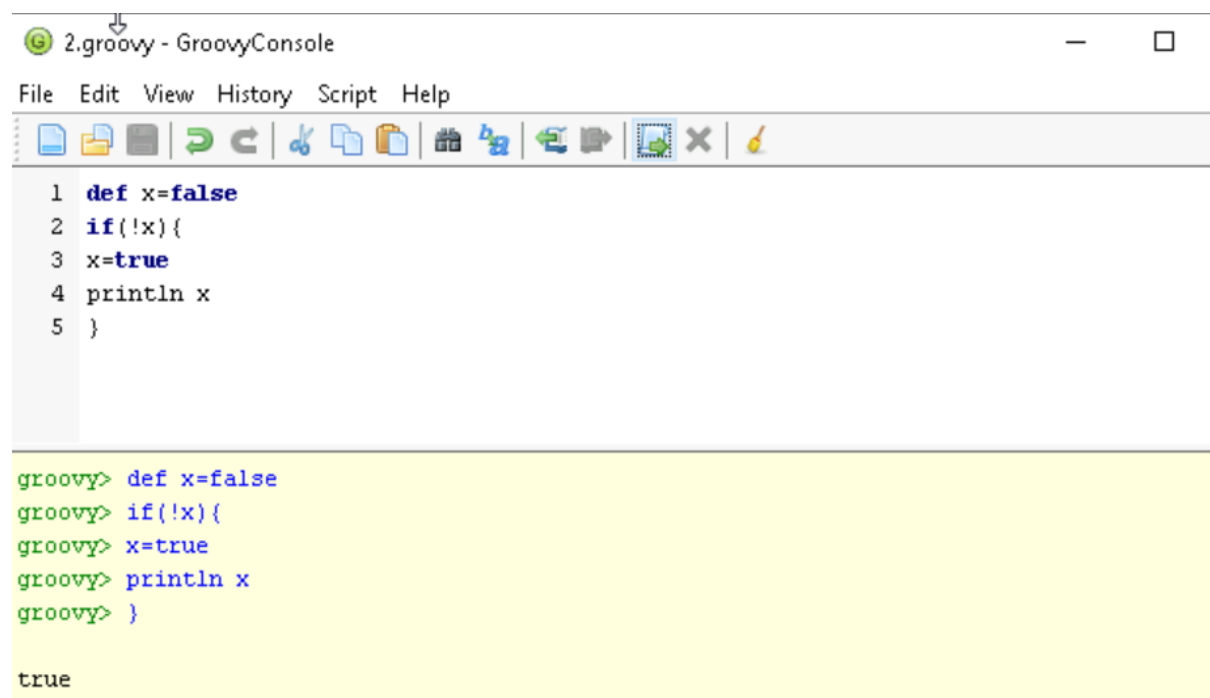
```
1  int a=10
2  if(a<50){
3  println("javatpoint");
4  }
```

```
groovy> int a=10
groovy> if(a<50){
groovy> println("javatpoint");
groovy> }

javatpoint
```

Q.

```
1  def x=false
2  if(!x){
3  x=true
4  println x
5  }
```
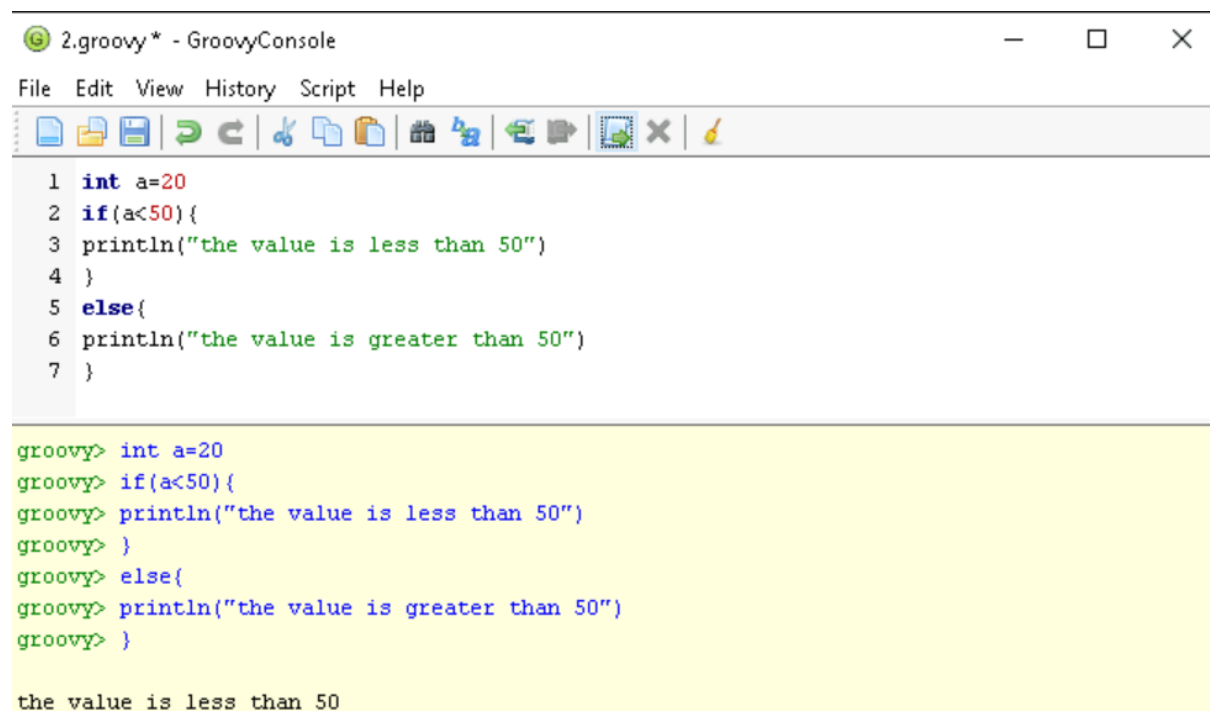
```
groovy> def x=false
groovy> if(!x){
groovy> x=true
groovy> println x
groovy> }

true
```

If Else Statement

Q.
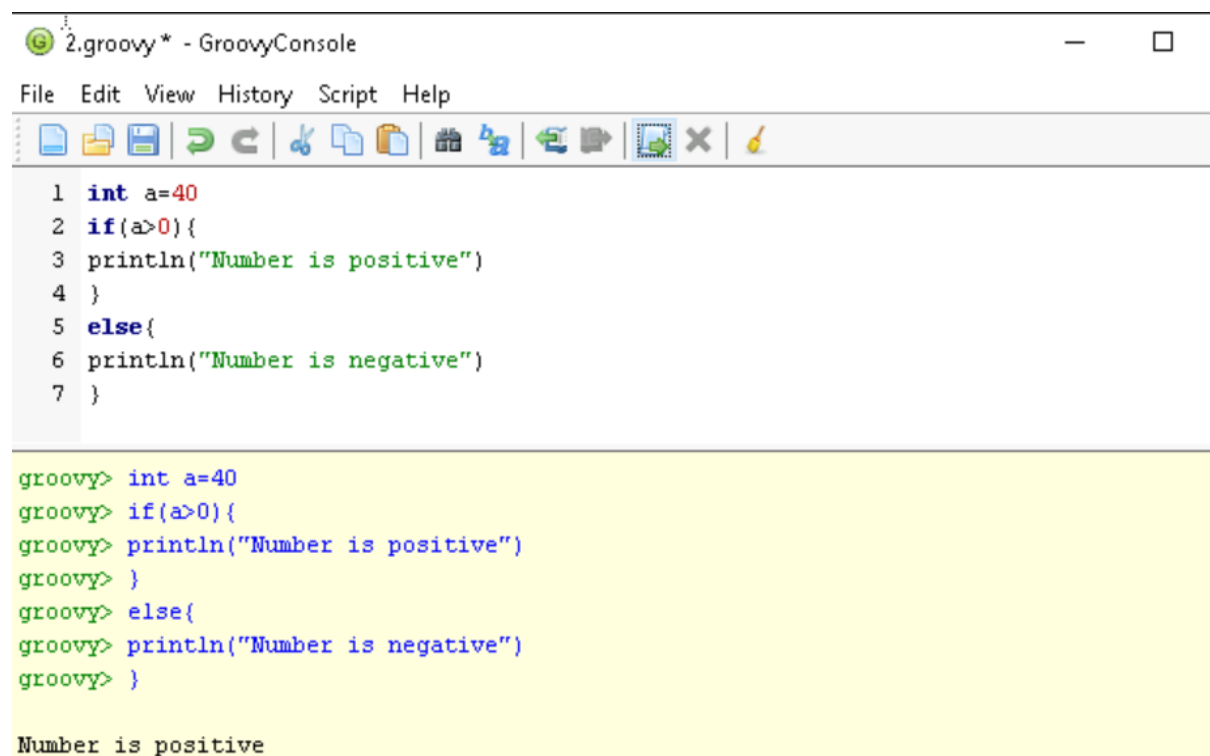
```
1  int a=20
2  if(a<50){
3  println("the value is less than 50")
4  }
5  else{
6  println("the value is greater than 50")
7  }
```

```
groovy> int a=20
groovy> if(a<50){
groovy> println("the value is less than 50")
groovy> }
groovy> else{
groovy> println("the value is greater than 50")
groovy> }

the value is less than 50
```

Q.

```
1  int a=40
2  if(a>0){
3  println("Number is positive")
4  }
5  else{
6  println("Number is negative")
7  }
```

```
groovy> int a=40
groovy> if(a>0){
groovy> println("Number is positive")
groovy> }
groovy> else{
groovy> println("Number is negative")
groovy> }

Number is positive
```
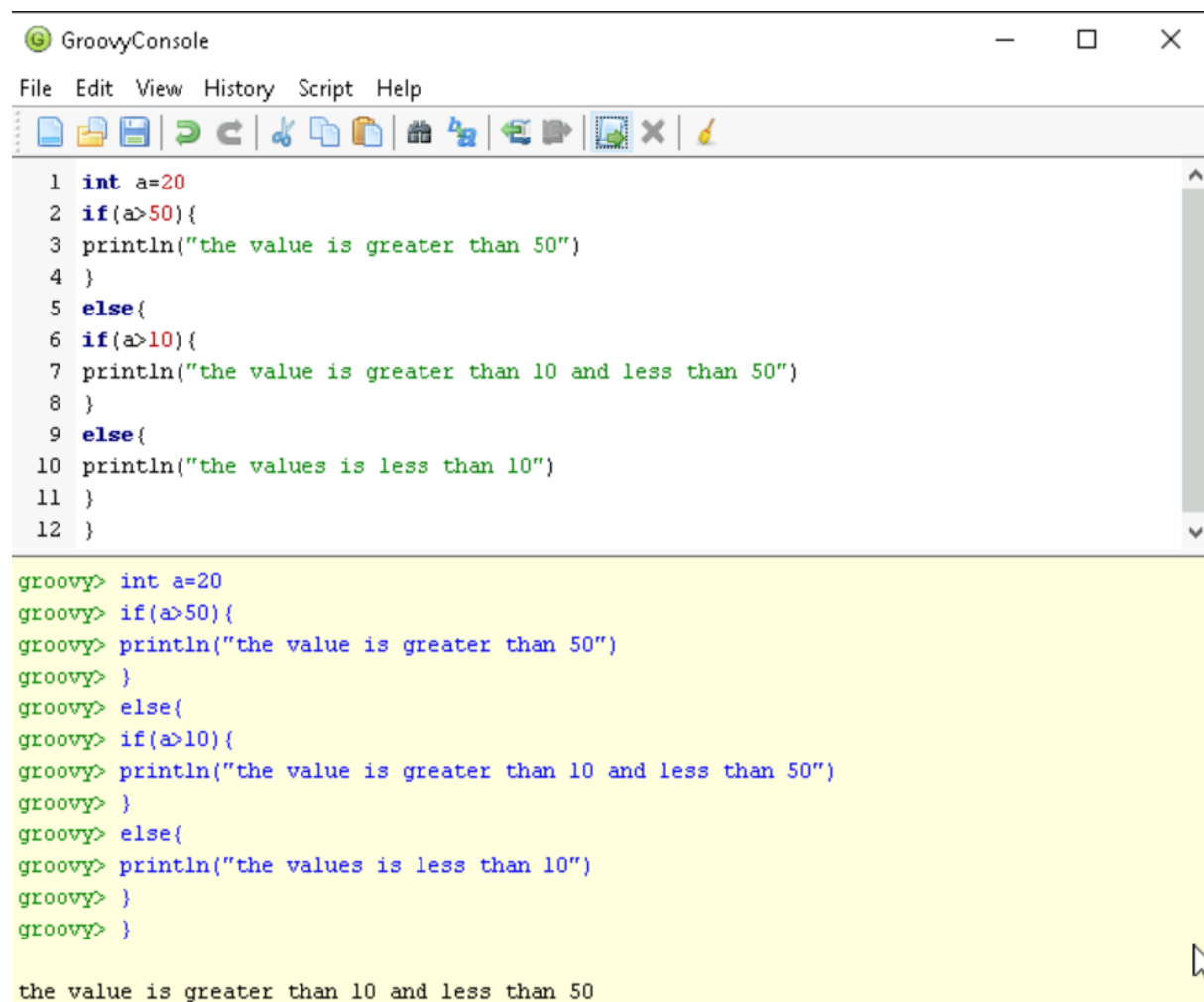
Nested If Statement

Q.

```
 1  int a=20
 2  if(a>50){
 3  println("the value is greater than 50")
 4  }
 5  else{
 6  if(a>10){
 7  println("the value is greater than 10 and less than 50")
 8  }
 9  else{
10  println("the values is less than 10")
11  }
12  }
```
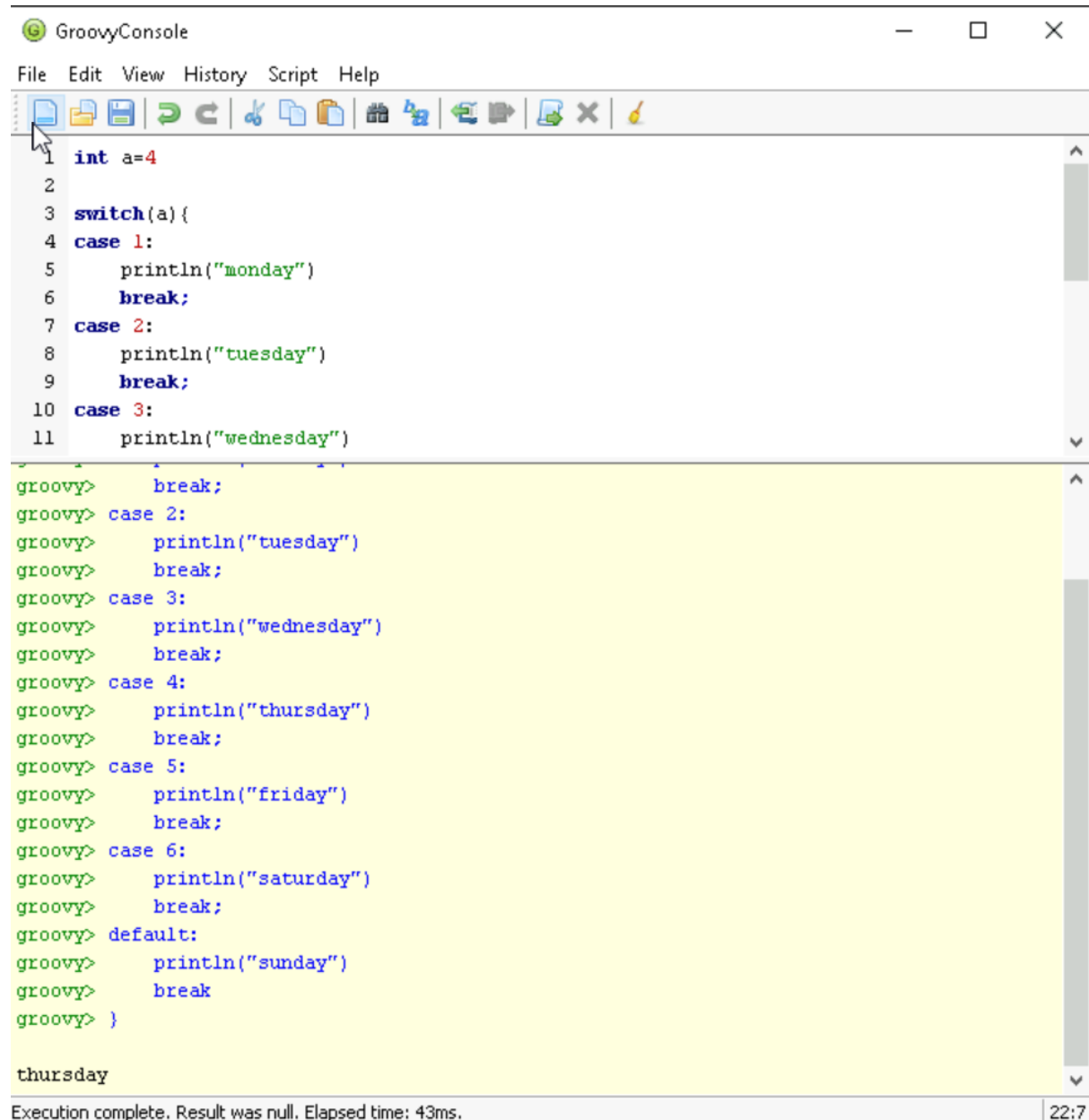
```
groovy> int a=20
groovy> if(a>50){
groovy> println("the value is greater than 50")
groovy> }
groovy> else{
groovy> if(a>10){
groovy> println("the value is greater than 10 and less than 50")
groovy> }
groovy> else{
groovy> println("the values is less than 10")
groovy> }
groovy> }

the value is greater than 10 and less than 50
```

Switch Statement

Q.

File Edit View History Script Help

```
 1  int a=4
 2
 3  switch(a){
 4  case 1:
 5      println("monday")
 6      break;
 7  case 2:
 8      println("tuesday")
 9      break;
10  case 3:
11      println("wednesday")
```

```
groovy>      break;
groovy> case 2:
groovy>      println("tuesday")
groovy>      break;
groovy> case 3:
groovy>      println("wednesday")
groovy>      break;
groovy> case 4:
groovy>      println("thursday")
groovy>      break;
groovy> case 5:
groovy>      println("friday")
groovy>      break;
groovy> case 6:
groovy>      println("saturday")
groovy>      break;
groovy> default:
groovy>      println("sunday")
groovy>      break
groovy> }

thursday
```
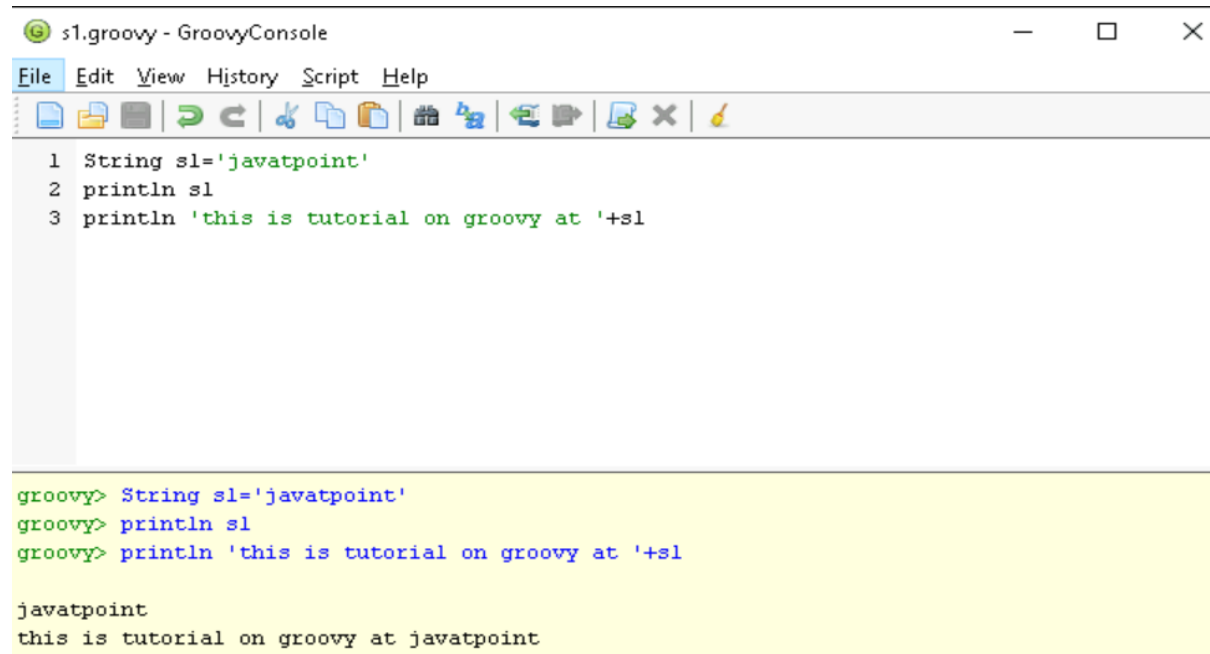
Execution complete. Result was null. Elapsed time: 43ms.   22:7

String in Groovy

Single-Quoted String

Q.

```
s1.groovy - GroovyConsole                              —  □  ✕

File  Edit  View  History  Script  Help

1  String s1='javatpoint'
2  println s1
3  println 'this is tutorial on groovy at '+s1




groovy> String s1='javatpoint'
groovy> println s1
groovy> println 'this is tutorial on groovy at '+s1

javatpoint
this is tutorial on groovy at javatpoint
```

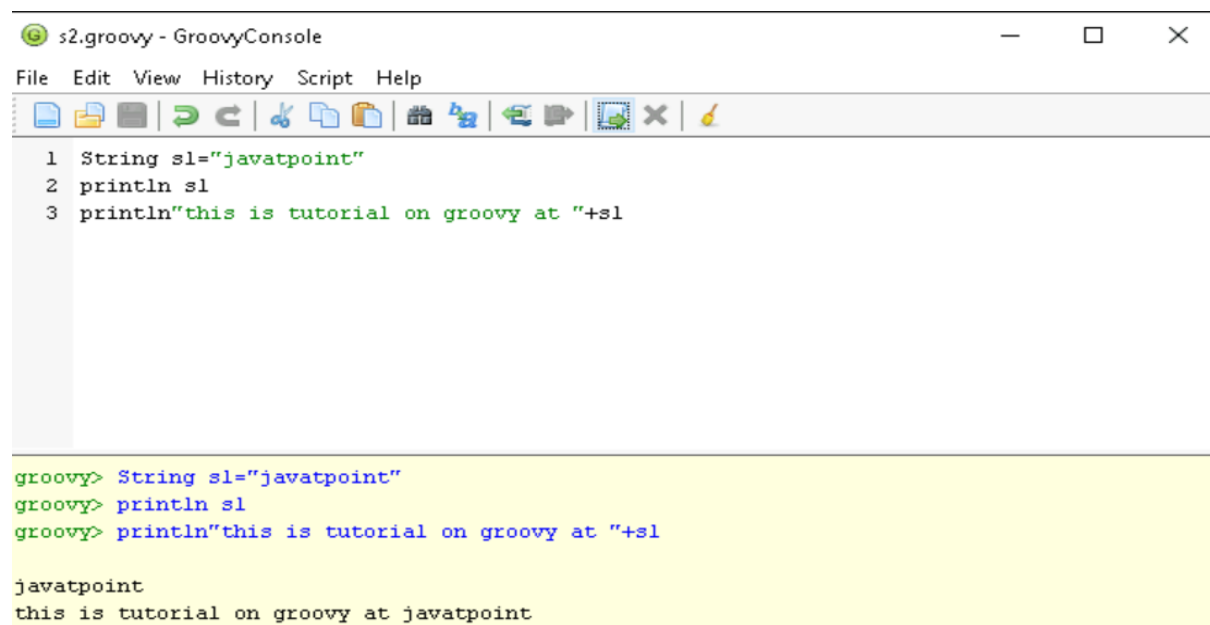## Double-quoted String

Q.

```
s2.groovy - GroovyConsole                              —  □  ✕

File  Edit  View  History  Script  Help

1  String s1="javatpoint"
2  println s1
3  println"this is tutorial on groovy at "+s1




groovy> String s1="javatpoint"
groovy> println s1
groovy> println"this is tutorial on groovy at "+s1

javatpoint
this is tutorial on groovy at javatpoint
```

Q.

```
● s3.groovy - GroovyConsole                               —    □    ×

File  Edit  View  History  Script  Help

  1  String s1="javatpoint"
  2  println "this is tutorial on groovy at ${s1}"
  3  println"this is tutorial on groovy at $s1"


groovy> String 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
```

Triple-single-quoted string

Q.

```
● s4.groovy - GroovyConsole                               —    □    ×

File  Edit  View  History  Script  Help

  1  String s1='''This is groovy tutorial and we are learning string'''
  2  println s1


groovy> String s1='''This is groovy tutorial and we are learning string'''
groovy> println s1

This is groovy tutorial and we are learning string
```

Q.

```
s5.groovy - GroovyConsole                           —    □    ×

File  Edit  View  History  Script  Help

1  String s1='''This is line 1
2  This is line 3
3  This is line 3
4  This is line 4
5  This is line 5'''
6  println s1


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

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

Triple-Double-quoted string

Q.

```
s6.groovy - GroovyConsole                                —

File  Edit  View  History  Script  Help

1  String s1="""This is groovy tutorial and we are learning string"""
2  println s1


groovy> String s1="""This is groovy tutorial and we are learning string"""
groovy> println s1

This is groovy tutorial and we are learning string
```
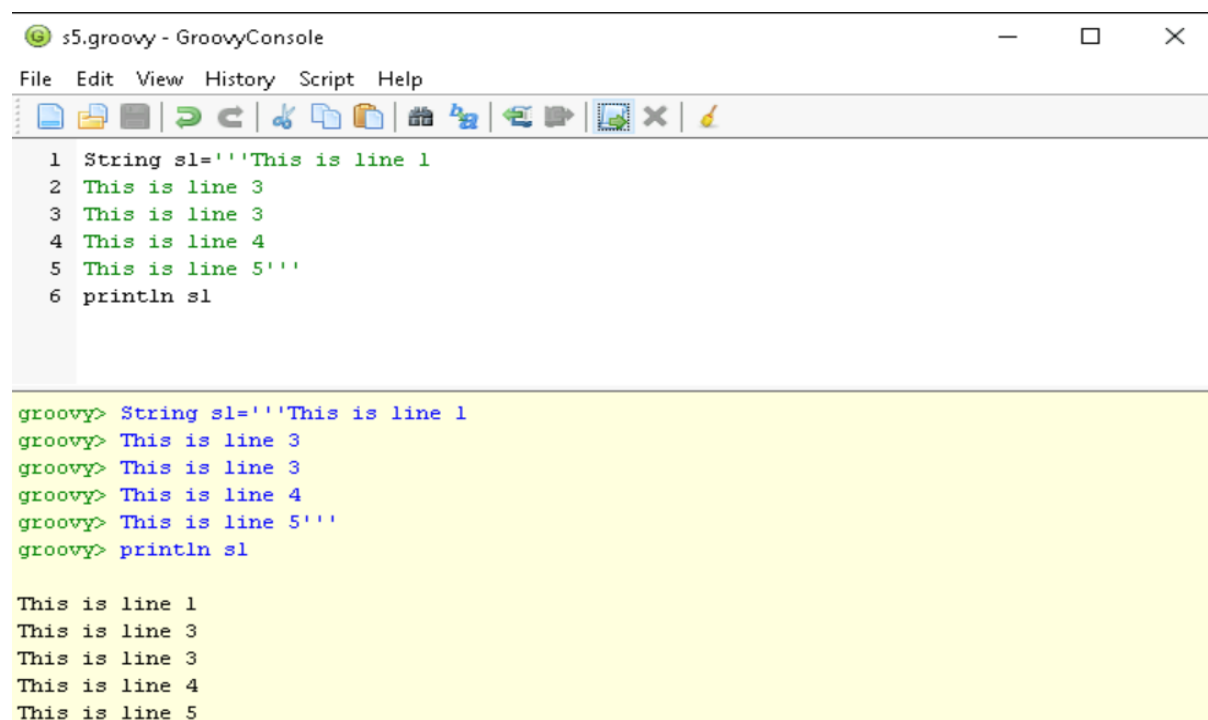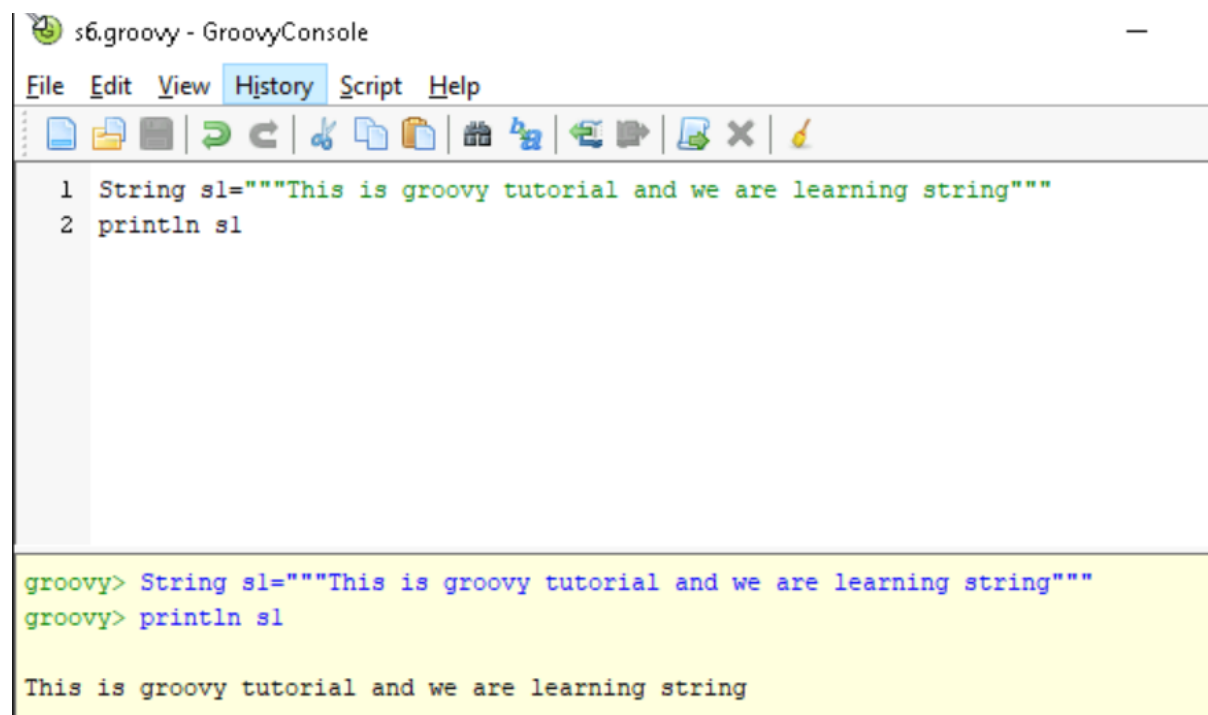
Q.

s7.groovy - GroovyConsole — □

File Edit View History Script Help

```
1   String sl="""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   print sl
```

```
groovy> String sl="""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> print sl

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

Q.

s8.groovy - GroovyConsole — □ ×
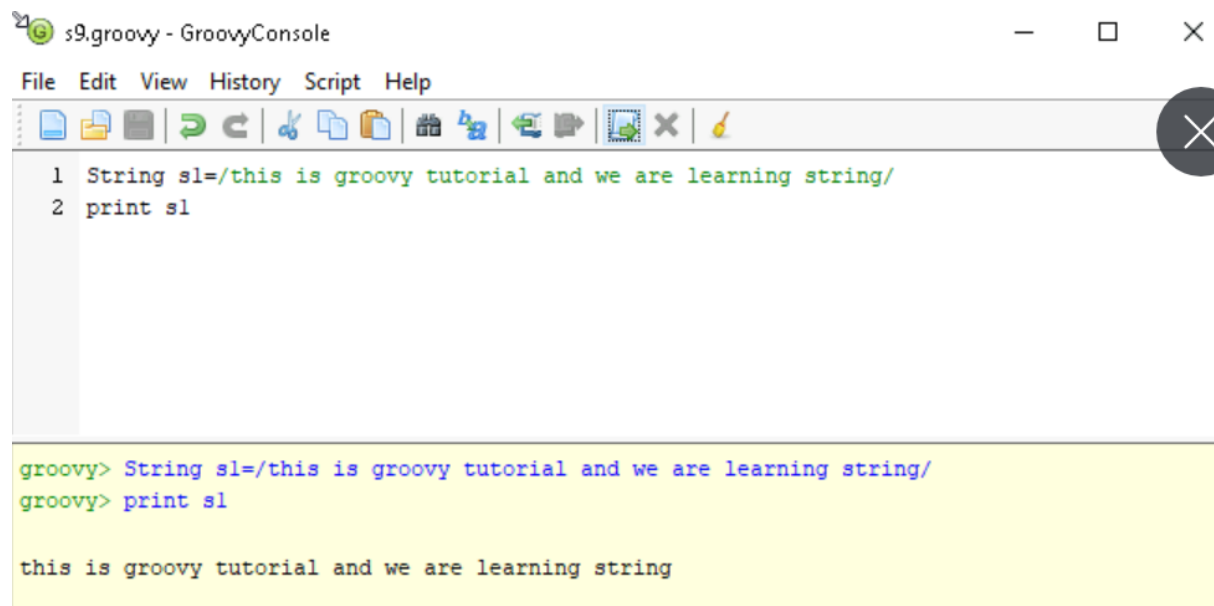
File Edit View History Script Help

```
1   String sl="""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 $sl """
8   println """Hey $sl """
```

```
groovy> String sl="""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> 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
```
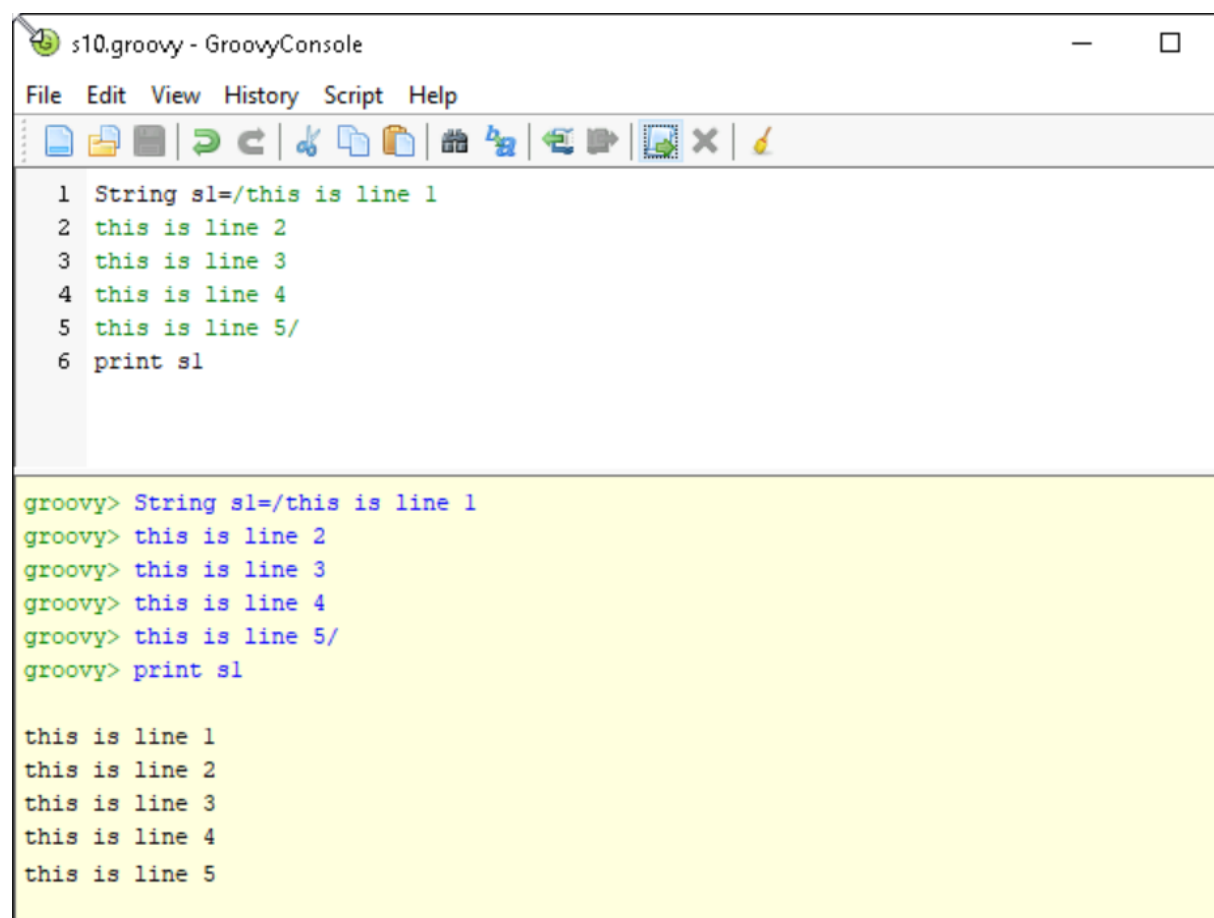
Slashy String

Q.


```
1  String s1=/this is groovy tutorial and we are learning string/
2  print s1
```

```
groovy> String s1=/this is groovy tutorial and we are learning string/
groovy> print s1


this is groovy tutorial and we are learning string
```
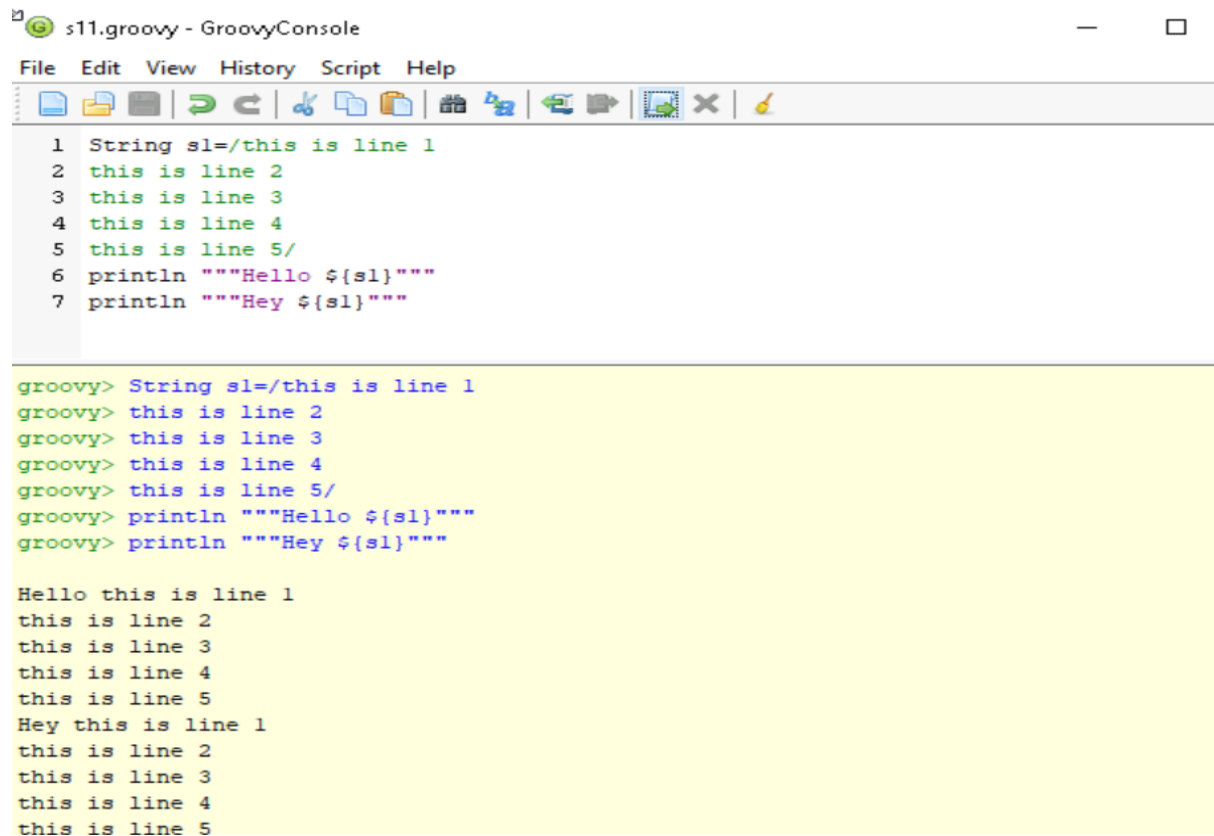
Q.


```
1  String 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  print s1
```

```
groovy> String s1=/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> print s1

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

Q.

File   Edit   View   History   Script   Help

```
1  String sl=/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  println """Hello ${sl}"""
7  println """Hey ${sl}"""
```
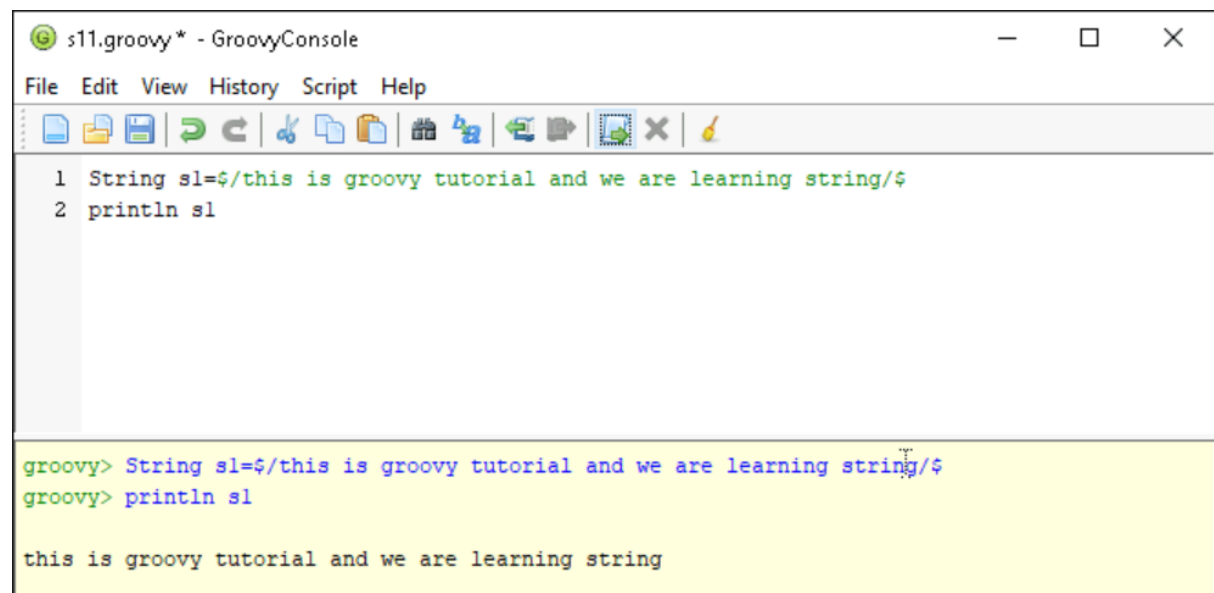
```
groovy> String sl=/this is line 1
groovy> this is line 2
groovy> this is line 3
groovy> this is line 4
groovy> this is line 5/
groovy> println """Hello ${sl}"""
groovy> println """Hey ${sl}"""

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
```

Dollar Slashy String

Q.

File   Edit   View   History   Script   Help

```
1  String sl=$/this is groovy tutorial and we are learning string/$
2  println sl
```

```
groovy> String sl=$/this is groovy tutorial and we are learning string/$
groovy> println sl

this is groovy tutorial and we are learning string
```

Q.

GroovyConsole

File Edit View History Script Help

```
1  String 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  print s1
```

```
groovy> String s1=$/This is line 1
groovy> This is line 2
groovy> This is line 3
groovy> This is line 4
groovy> This is line 5 /$
groovy> print s1

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