Groovy decision making:

Example 1:

```
1  package com.app
2
3  class GroovyDecisionMakingExample1 {
4
5      static void main(args) {
6          int a = 10
7          if (a<50) {
8              println("javatpoint");
9          }
10
11     }
12 }
```

Output:

```
javatpoint
```

Example 2:

```
1  package com.app
2
3  class GroovyDecisionMakingExample2 {
4
5      static void main(args) {
6          def x = false
7          if ( !x ) {
8              x = true
9              println x
10         }
11     }
12 }
```

Output:

```
true
```

Example 3:

```groovy
1  package com.app
2
3  class GroovyDecisionMakingExample3 {
4
5      static void main(args) {
6          int a = 20
7        if (a<50) {
8          println("The value is less than 50");
9        } else {
10         println("The value is greater than 50");
11       }
12     }
13 }
```

Output:

```
The value is less than 50
```

Example 4:

```groovy
1  package com.app
2
3  class GroovyDecisionMakingExample4 {
4
5      static void main(args) {
6          int a = 40
7        if (a>0) {
8          println("Number is positive");
9        } else {
10         println("Number is negative");
11       }
12     }
13 }
```

Output:

```
Number is positive
```

Example 5:

```
1  package com.app
2
3  class GroovyDecisionMakingExample5 {
4
5      static void main(args) {
6          int a = 20
7      if (a>50) {
8         println("The value is less than 50");
9      } else
10     if (a>10) {
11        println("The value is greater than 10 and greater than 50");
12     } else {
13        println("The value of a is less than 10");
14     }
15     }
16 }
```

Output:

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

Example 6:

```
1  package com.app
2
3  class GroovyDecisionMakingExample6 {
4
5      static void main(args) {
6          int a = 4
7
8          switch(a) {
9              case 1:
10                 println("Monday");
11                 break;
12             case 2:
13                 println("Tuesday");
14                 break;
15             case 3:
16                 println("Wednesday");
17                 break;
18             case 4:
19                 println("Thursday");
20                 break;
21             case 5:
22                 println("Friday");
23                 break;
24             case 6:
25                 println("Saturday");
26                 break;
27             default:
28                 println("Sunday");
29                 break;
30         }
31     }
32 }
```

Output:

```
Thursday
```

Groovy strings:

Example 1:

```
1  package com.app
2  class GroovyStringExample1 {
3  static void main(args)
4  {
5          String s1 = 'Javatpoint'
6          println s1
7          println 'This is tutorial on Groovy at ' + s1
8  }
9  }
```

Output:

```
Javatpoint
This is tutorial on Groovy at Javatpoint
```

Example 2:

```
1  package com.app
2  class GroovyStringExample2 {
3  static void main(args)
4  {
5          String s1 = "Javatpoint"
6          println s1
7          println "This is tutorial on Groovy at " + s1
8  }
9  }
```

Output:

```
Javatpoint
This is tutorial on Groovy at Javatpoint
```

Example 3:

```
1  package com.app
2  class GroovyStringExample3 {
3  static void main(args)
4  {
5          String s1 = "Javatpoint"
6          println "This is tutorial on Groovy at ${s1} "
7          println "This is tutorial on Groovy at $s1 "
8  }
9  }
```

Output:

```
This is tutorial on Groovy at Javatpoint
This is tutorial on Groovy at Javatpoint
```

Example 4:

```
1  package com.app
2  class GroovyStringExample4 {
3  static void main(args)
4  {
5          String s1 = '''This is groovy tutorial and we are learning string'''
6          println s1
7  }
8  }
9  
```

Output:

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

Example 5:

```groovy
 1  package com.app
 2  class GroovyStringExample5 {
 3  static void main(args)
 4  {
 5  String s1 = '''This is line 1
 6  This is line 2
 7  This is line 3
 8  This is line 4
 9  This is line 5'''
10  println s1
11  }}
```

Output:

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

Example 6:

```groovy
 1  package com.app
 2  class GroovyStringExample6 {
 3  static void main(args)
 4  {
 5          String s1 = """This is groovy tutorial and we are learning string"""
 6          println s1
 7  }
 8  }
```

Output:

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

Example 7:

```
 1  package com.app
 2  class GroovyStringExample8 {
 3  static void main(args)
 4  {
 5  String s1 = """This is line 1
 6  This is line 2
 7  This is line 3
 8  This is line 4
 9  This is line 5"""
10  println """Hello $s1"""
11  println """Hey $s1"""
12  }
13  }
```

Output:

```
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
```

Example 8:

```
 1  package com.app
 2  class GroovyStringExample9 {
 3  static void main(args)
 4  {
 5  String s1 = /This is groovy tutorial and we are learning string/
 6  println s1
 7  }
 8  }
```

Output:

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

Example 9:

```
 1  package com.app
 2  class GroovyStringExample11 {
 3  static void main(args)
 4  {
 5  String s1 = /This is line 1
 6  This is line 2
 7  This is line 3
 8  This is line 4
 9  This is line 5/
10          println s1
11  }}
```

Output:

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

Example 10:

```
1  package com.app
2  class GroovyStringExample11 {
3  static void main(args)
4  {
5  String s1 = /This is line 1
6  This is line 2
7  This is line 3
8  This is line 4
9  This is line 5/
10 println """Hello ${s1}"""
11 println """Hey $s1"""
12 }}
```

Output:

```
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
```

Example 11:

```
1  package com.app
2  class GroovyStringExample9 {
3  static void main(args)
4  {
5  String s1 = $/This is groovy tutorial and we are learning string /$
6  println s1
7  }
8  }
```

Output:

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

Example 12:

```
 1  package com.app
 2  class GroovyStringExample13 {
 3  static void main(args)
 4  {
 5  String s1 = $/This is line 1
 6  This is line 2
 7  This is line 3
 8  This is line 4
 9  This is line 5/$
10          println s1
11  }
12  }
```

Output:

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

Example 13:

```
 1  package com.app
 2  class GroovyStringExample11 {
 3  static void main(args)
 4  {
 5  String s1 = $/This is line 1
 6  This is line 2
 7  This is line 3
 8  This is line 4
 9  This is line 5/$
10  println """Hello ${s1}"""
11  println """Hey $s1"""
12  }}
```

Output:

```
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
```