

Programming Language Paradigms

The Groove Monitors

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Name: _____

1. Groovy is built on what other language?

2. Finish the printMapClosure statement in the example code to complete the closure.

```
myMap = ["The answer to life the universe and everything":42, "Curt Clifton":"Raptor Rangler"]  
println "Curt Clifton = " + myMap["Curt Clifton"]
```

```
printMapClosure = { key, value -> YOUR CODE HERE }  
myMap.each(printMapClosure)
```

3. What are two things that are different between Groovy and Java?

4. How does Groovy make the Swing library not as terrible to work with like in Java?

5. What kinds of programs would Groovy be good for?

6. What kinds of programs would Groovy be bad for?

Code Examples:

```
myList = [1, 2, 3, "hi"]  
println myList[0]
```

```
myMap = ["The answer to life the universe and everything":42, "Curt Clifton":"Raptor  
Rangler"]  
println myMap["Curt Clifton"]
```

```
printMapClosure = { key, value -> println key + "=" + value }  
myMap.each(printMapClosure)
```

Sockets:

```
groovy -l 5000 -e "System.err.println line"
```

```
s = new Socket("localhost", 5000);  
s << "Why don't you call me anymore?\n"  
s.close()
```