# P-06  
## Reflection and Threads in various languages  
  
### Languages:  
\* Ruby  
\* Python  
\* Java

### Ruby Code:

```ruby

newTest = Thread.new{ }  
puts newTest.class.instance\_methods(true)

```

### Python Code:

```python

import threading  
print(dir())

```

### Java

```java

import java.util.\*;  
import java.io.\*;  
import java.lang.reflect.\*;  
  
public class ThreadInfo {  
  
 public static void main(String[] args) {  
  
 Reflections obj = new Reflections();  
 Class threads = Thread.class;  
 Method[] threadMethods = threads.getDeclaredMethods();  
 System.out.println("List of all methods from Thread class: ");  
 for (Method threadMethod : threadMethods) {  
 System.out.println(threadMethod.getName());  
 }  
  
 }  
}  
  
class Reflections extends Thread {  
  
 Reflections() {  
 }  
  
 public void testMethod() {  
 System.out.println("This is a test method");  
 }  
  
}

```

### Run using:  
  
\* Ruby Version: `ruby <filename>.rb`  
\* Python Version: `python <filename>.py`  
\* Java Version: `javac <filename>.java && java filename`