

# Contents

<b>1</b>	<b>pandoc codeblock filters</b>	<b>1</b>
1.1	Octave . . . . .	1
1.2	Python . . . . .	1
1.3	Ruby . . . . .	2

## 1 pandoc codeblock filters

This is an example of [Pandoc](#) filters and [loginteractive](#) for logging interactive programs as if they where executed from a terminal.

### 1.1 Octave

```
>> A = reshape(1:4,[2 2])  
A =
```

```
    1    3  
    2    4
```

```
>> v = eig(A)  
v =
```

```
 -0.37228  
  5.37228
```

### 1.2 Python

```
>>> def isPrime(n):  
...     for i in range(2,int(n**0.5)+1):  
...         if n%i==0:  
...             return False  
...     return True
```

```

...
>>> isPrime(2)
True
>>> isPrime(4)
False
>>> for n in range(2,100):
...     if isPrime(n):
...         print n,
... 2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97

```

### 1.3 Ruby

```

>> def factorial(n)
>> return 1 if n <= 1
>> return n * factorial(n - 1)
>> end
=> nil
>> factorial(20)
=> 2432902008176640000

```