Chapter 1

Python Syntax

1. if e == 1 then x = y else x = z :

```
1  if  e  ==  1:
2    x  =  y
3  else:
4    x  =  z
```
Listing 1.1: if else, indentation is must

2. while(x < y) { x = y; z += 1 }

```
1  while  x  <  y:
2    x  =  y
3    z  +=  1
```
Listing 1.2: while loop

3. **function**: (x is a global variable) foo(int z, int y) x+=1;int y; y=1; return y;

```
1  def  foo(z  ,  y):
2    global  x
3    x  +=1
4    y  =  1
5    return  y
```
Listing 1.3: threads

4. threads

```
1  import  thread
2  import  time
3  import  threading
4
```

```python
5  s0 = threading.Event()
6
7  def thread1():
8      global x
9      s0.set()
10     s0.clear()
11     s0.wait()
12
13 thread.start_new_thread(thread1,())
```

Listing 1.4: threads