

Example Problem:

1. Write Python code that will print out the integers 0 to 4.

**Answer.**

```
1     for i in range(5):  
2         print i
```

2. Give an example of a pure function in Python.

**Answer.**

```
1     def fact(n):  
2         if n is 0:  
3             return 1  
4         else:  
5             return n * fact(n-1)
```