

Samples Programming with Python

1. Write down all of the output generated by the following Python program, evaluating it by hand.

```
from __future__ import division
from pylab import *

b = 9
while b < 21 :
    if b % 2 == 1 :
        print "There are", b, "mournful mathematicians"

    b = b+2
```

2. Write down all of the output generated by the following Python program, evaluating it by hand.

```
from __future__ import division
from pylab import *

q = 6
while q < 42 :
    if q % 3 == 2 :
        print "There are", q, "paranoid programmers"

    q = 2+q
```

3. Write down all of the output generated by the following Python program, evaluating it by hand.

```
from __future__ import division
from pylab import *

t = 5
while t < 42 :
    if t % 2 == 1 :
        print "There are", t, "crazy chemists"

    t = t+3
```