

```
# ForVsWhile.py
""" Looks at while-loop solutions and for-loop solutions that
are equivalent.
"""
```

```
print '\n\nThe first 5 positive integers via a for-loop:\n'
for k in range(1,6):
    print 'k = %3d' % k
```

```
print '\n\nThe first 5 positive integers via a while-loop:\n'
k = 1
while(k<=5):
    print 'k = %3d' % k
    k = k+1
```

```
print '\n\nThe first 5 odd positive integers via a for-loop:\n'
for k in range(1,10,2):
    print 'k = %3d' % k
```

```
print '\n\nThe first 5 oddpositive integers via a while-loop:\n'
k = 1
while(k<=10):
    print 'k = %3d' % k
    k = k+2
```

```
print '\n\nThe first 5 odd positive integers via a for-loop:\n'
for k in range(5,0,-1):
    print 'k = %3d' % k
```

```
print '\n\nThe first 5 oddpositive integers via a while-loop:\n'
k = 5
while(k>0):
    print 'k = %3d' % k
    k = k-1
```

```
print '\n\nCount from 100 down to 30 in steps of -10 via a for-loop:\n'
for k in range(100,20,-10):
    print 'k = %3d' % k
```

```
print '\n\nCount from 100 down to 30 in steps of -10 via a while-loop:\n'
k = 100
while(k>=30):
    print 'k = %3d' % k
    k = k-10
```