PreLab04: Graphics

Here is the very useful short manual for the graphics library:

http://mcsp.wartburg.edu/zelle/python/graphics/graphics.pdf

Prelab policy

We encourage you to work together on the Pre Lab. The Pre Lab is not graded but will help you prepare for your lab session. In the Pre Lab, you may find questions to answer. We do not require you to provide us the answers, but we do recommend you to try to answer these questions. If you have any questions on the material in the pre lab, first check the book and recitation slides, if you do not find your answer please email your recitation TA or the course instructors.

Drawing a simple circle

```python
from graphics import *

win = GraphWin( 'Window', 300, 300 )

circle = Circle( Point(150,150), 100 )
circle.draw( win )

win.getMouse()
```

As you already know from the recitation, the above code produces:
We can use `setFill()` function to make the circle colored:

```python
from graphics import *

win = GraphWin( 'Window', 300, 300 )

circle = Circle( Point(150,150), 100 )
circle.setFill('blue')
circle.draw( win )

win.getMouse()
```

which produces:
Drawing a simple rectangle

Here is how we draw a rectangle:

```python
from graphics import *

win = GraphWin('Window', 300, 300)

rect = Rectangle(Point(50,50), Point(250,250))
rect.setFill('blue')
rect.draw( win )

win.getMouse()
```

The output of the above:
Drawing a simple line

```python
from graphics import *

win = GraphWin( 'Window', 300, 300 )

line = Line( Point(50,50), Point(250,250) )
line.draw( win )

win.getMouse()
```

The output of the above: