Tue 19:00

dan@dan-Alienware-m15: ~/Documents/School/CIS110/Exercises/Ch4

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```
dan@dan-Alienware-m15:~/Documents/School/CIS110/Excercises/Ch4$ python3 Ch4ex09.py
This program allows the user to draw a Rectangle using two inputs(mouse clicks)
of the line segment
```

Rectangle Info

The perimeter is 21.3627254509018

The area is 28.261733888618913

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```python
from graphics import*
import math

def main():
        print("This program allows the user to draw a Rectangle using two inputs(mouse clicks)")
        print("of the line segment")
        print("")


        win=GraphWin("Rectangle Info",500,500)
        win.setCoords(0,0,10,10)

        msg=Text(Point(5,1),"Click on opposite corners of a rectangle.").draw(win)
        p1=win.getMouse()
        p1.draw(win)
        p2=win.getMouse()
        p2.draw(win)

        rect=Rectangle(p1,p2)
        rect.setWidth(2)
        rect.draw(win)


        length=abs(p2.getX()-p1.getX())
        height=abs(p2.getY()-p1.getY())

        area=length*height
        perimeter=2*(length+height)

        msg.setText("The perimeter is "+str(perimeter))
        Text(Point(5,.5),"The area is "+str(area)).draw(win)
        win.getMouse()
        win.close()

main()
~
~
~
~
```