This assignment has three parts.

Part One: Design the program

Insert your pseudocode here:

Background

- Configure functions for add strength points and adding powerups.
- Add ability to define a super hero
- Define Mr. Norton antivirus with his name, strength points, motto, and how many power ups he has.
- Add strength points and a power up to Mr. Norton after he defeats Dr. Crypto Locker

Output

- Tell users who Mr. Norton Antivirus is and his motto "If the computer is without me there is no working computer"
- Tell users about how Mr. Norton finds an enemy "Dr. CryptoLocker" attacking victims.
- Say how many points and power ups each one has Norton: 15 strength 0 power up Crypto: 8 strength 1 power up
- Say Mr. Norton defeats Crypto and how Mr. Norton gains one power up and 2 points.

Part Two: Code the program

Insert a copy of your code from IDLE here:

```
class Antivirus:
    # Antivirus class represents the facts related to a Antivirus.
        def __init__(self, name = "", strengthPts = 0, powerUps = 0, motto = ""):
    # Create a new Antivirus with a name and other attributes
                self.name = name
                self.strengthPts = strengthPts
                self.powerUps = powerUps
                self.motto = motto
        def addStrengthPts(self, points):
```

```python
        # Adds points to the Antivirus's strength.
            self.strengthPts = self.strengthPts + points
        def addPowerUps(self, powers):
        #Add power ups to the Antivirus
            self.powerUps = self.powerUps + powers

def main():

        norton = Antivirus("Mr.Norton AntiVirus", 15, 0, "If the computer is without me their
is no working computer" )
        print "Let me tell you about " + norton.name + " his motto is " + norton.motto + "!"
        print "One day " + norton.name + " found one of his enemies Dr.CrptoLocker attacking
a victim computer!"
        print norton.name + " Was up for a fight with Dr.CrptoLocker the only thing is that " +
norton.name + " had " + str(norton.powerUps) + " Power ups."
        print norton.name + " Does has a high strenght thought at " + str(norton.strengthPts)
+ " points!"
        print "Dr.CrptoLocker has a powerful powerup to freeze " + norton.name + " for a
small amount of time but only has 8 points."
        print norton.name + "takes down Dr.CrptoLocker."
        norton.addPowerUps(1)
        norton.addStrengthPts(2)
        print norton.name + " Gains 2 strenght points he also gained one powerup for
defeating Dr.CryptoLocker!"
        print norton.name + " now has " + str(norton.powerUps) + " power up and "  +
str(norton.strengthPts) + " strengh points left to take down others!"
main()
```

Part Three: Post Mortem Review

Complete the Post Mortem Review (PMR). Write a thoughtful 2-3 sentence response to each of the
questions in the PMR chart.

Review Question	Response
What was the purpose of your program?	My program is meant to describe a superhero in a story. My program is supposed to use calculations of points and power ups the superhero will win.
How could your program be useful in the real	My program could be useful in the real world to

world?	tell kids who super heroes are and their enemies. If input was added and if one could ask for a superhero and get back info on just that one they asked about.
What is a problem you ran into, and how did you fix it?	A problem I ran into is when trying to run methods I had defined I tried addPowerUps(norton, 1) which didn't work. I looked back to see how its used and found out that self should be in front with dot notation like this norton.addPowerUps(1)
Describe one thing you would do differently the next time you write a program.	The next time I write a program with specifically classes' id add more defined items under the classes. For example in this program id define The enemy also under the class with his motto and his points too.