Python L2 Assignments to upload:

1. Write a code to implement the package below and distribute it.

Mathnew package with following modules

1. sqroot

2. addition

3. subtraction

4. multiplication

5. division

1. Given email='From abc.xyz@pqr.com Mon Dec 29 01:12:15 2016'

write a regular expression to extract

a. email id

b. domain name

c. time

1. Write a code to implement the following methods by defining a class called Mymath

a) without \_\_init\_\_

1. sqroot

2. addition

3. subtraction

4. multiplication

5. division

1. Write a code to implement the following methods by defining a class called Mymath

a) with\_\_init\_\_

1. sqroot

2. addition

3. subtraction

4. multiplication

5. division

5. Write a code to implement a child class called mathnew and parent classes as sqroot, addition,subtraction, multiplication and division. Use the super() function to inherit the parent methods.

1. Write a code to overload \_\_add\_\_ method to perform 2 x 2 matrix addition
2. Write a code to compare two string data based on the length of the string hint; \_\_gt\_\_ method
3. Create a class called Circle and write the methods to calculate the area and circumference of a circle given the radius.
4. Write a class called Circle and write the methods to calculate the area and circumference of the circle by initialing the radius of the circle. Hint \_\_init\_\_ method
5. Create a class called First and two classes called Second and Third which inherit from First. Create class called Fourth which inherits from Second and Third. Create a common method called method1 in all the classes and provide the Method Resolution Order