18 Nov

A Classmemod

@ proporty

Junction Junction

di=Demo (97,98,99)

Quint (di. Percentage) / 98

di. Python = 90 =>

Paint (dl. Percentage) // 98

Python = 97 ao

jaua = 98

c = 97

Pencentag = 98%

It Dunder Junction addition = --add \_\_-Subferalie => -- sub -division > -- feueedir -mul =) -- mul - class Complex Number: det -- init (seff, neal, img):
self. neal = ereal
self.ing = ing
314 31751 def create(onflex (self): Polint ( seal, " it", ing, "")

31+51 numl= complex-number (3,5) CE num1. Careate Complex () ( > 3/15)

numl = 3iTYV  $numl = 2i^{\circ}t5J^{\circ}$   $numl = num2 = 55i^{\circ}t4V$ 

des add (self, num2)

new Real = self-real-num2. Head

new Inig = self-ing = num v.ing

new Inig = self-ing = num v.ing

gle fuel n Complex-Number (new Real,

new Inig)

num (

Guly

```
class ComplexNumber: 3 usages
    def __init__(self, real, img):
        self.real = real
        self.img = img
    def creatComplex(self): 3 usages
        print(self.real,"i +" , self.img,"j")
    def __add__(self,num2):
        newReal = self.real+num2.real
        newImg = self.img+num2.img
        return ComplexNumber(newReal, newImg)
num1 = ComplexNumber( real: 3, img: 5)
num1.creatComplex()
n⊕m2 = ComplexNumber( real: 2, img: 4)
num2.creatComplex()
num3 = num1 + num2
\# num3 = num1.add(num2)
num3.creatComplex()
num3 = num1 - num2
# num3 = num1.add(num2)
num3.creatComplex()
```

Tylon IO

(1) F= Open (" path" 1 = 37

data: F. stead L)

F. wseife (" - - ")

```
# f = open("practice.txt","r")
# data = f.read()
# print(data)
# print(type(data))

# f = open("Test.txt","r")
# line1 = f.readline()
# print(line1)
#
# line2 = f.readline()
# print(line2)
#
# line3 = f.readline()
# print(line3)
#
# f.close()
```

```
# with open("Test.txt","r") as f:
# data = f.read()
# print(data)

with open("/Users/arunkumarsharma/Documents/pythonIO/Demo.txt","a") as f:
    f.write("\nHello Everyone")
```

## Hello Everyone We are learning Java And Java is a easy Language

- 1. Replace All the Occurence of java with python
- 2. check weather 'learning' is present or not in the file
- () f.write ("

  R)

  data = F. read()

  new data = data replace ("java", "python")

  F. Weite (ne w data)

# Encephon Les Unwanted on unempacted event actions dancing the Execction of the Parguan 4 Keyword 1 toug 2 encept (3) else 9 finally (s) maise Muisky Code Eucephon as e: Toly: Il handled Code

else: M When no Exception accur jinally: Macins always num 1= 20 > num 1=20 num2 110 > numz =0 > gresalt = numi/num = gresalt = numi/num quint (nesuet) foly: num1=20 num2=0 num2=0 num1/ngles = num//nume \_\_\_ fains (sees) Except: Paint (" -- ") faint (" Inside else"

Enceltion

1) It can be handled

2) It occurred in

the Possogeran

3) yes complife
Runtine

Engron

O Can't be handled

System level

3) Runtime Envor

-> less memory

>> loss RAM