GROUP-A Assignment-2



A Problem Statement:

Following operations on string.

a) To display the word with longest

b) To determine Freq of occurance c) To check whether the stainer is palindrome or not.

d) To display First index of Substaing. O sod so

e) TO Count occurance of each wood in string.

p learning objective:

a) To learn to write simple python program and execute it.

b) To learn implimentation of

extring data structure.

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learning outcome! of Heil apple to roste brodraw in python 80 execute 1t. stoined gata etsecture.

of He will be able to implimend class & object.

Software requirement:

4) Pycharm IDE Community Version 2020
2) OS Hindows 10.

Theord:

In python stained are arrays of byte representing unicode Charecters a stained is alreation of one or more Charecters put in a single quote, double quote or taiple quote, in python there is no Char data type a charecter is stained or length one.

Syntabel-

name = "Stating?"

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Algorith m/pseudo Code!	
ADT POT Class Storing	_
Class Stolag Sto = "" # empty Stolag getlen(Stolag) / returns the char-fred (Stolag, chr) length of given stolag // octurns fred of chare down longest (Stolato) // longest stolag ispalindrome(Str) // Check is stolag is Pallindrome. Plost occur (Sto) // determine first occurance of officer in Stolag. // determine an occurance of substolag in Stolag.	
1 61007 2 6101ng S 3 6.redd() 4 read(a) 6.1 if a=1 6.1 Silongest length() 6.2 elifa=2 6.2.2 6.char-freq() 6.3 elifa=3 6.3 elifa=3 6.3.1 8.i6 palindrome() 5.4. elifa=4 3. First-occure()	

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	Gist elifates
	6.5.2 5: all-occur(str)
	Bir else
	7. e reak of of of
	8 endors = III + 3 +1
+ 227	of amorphica to a movide of the second
	enodatha antae a tra
	* getlen (6+r)
	(Oun)
	100 6toats posses mino 4249 4
	2 (aunt = 0
	3 for in str:
	4 (Count +=1)
79/	5 return (ount of other
	6 end
	(paidedue) ad les (i): (i) paides qi e
	* longest len (8+81, 8+82)
	1 8+00+
	2 N1 = Gelf. getlen (6+81) 3 N2 = Gelf. getlen (6+82)
	3 N2 = belt. getten (5+82)
	4 if (n17n2) dis 100 110
	s return 8+01
-	6 return str 2
	t. end
	11200 mal of of one
11	* char Fred (eta, chas) 18+024.
	2 For isto range len (str)
	@ It etalid = chas.;
	A (047) += 1
	s. return Count.
	6 end.

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(B)	
1	

* is pulindrome (sor) Stort. Port=0 to (getten (etr)/2)= [1-(1-070+8 = 1 [1]7+8 7i return not-palindrome break. n return palindrome end. * First Occur (string, substring) Start. OCCUT = ET For i = 0 to (-getlen (substains) +getlen (su 4 if Gtring [i: (i+gellen (Bubstring)] == substating: Occure - append (i) 7 return occur [o] end \$ allocor (str, substr) 1 Start len , len 2 = getien (6+8), getien (sub-6+8) OCCUY=[7 For i=0 to (leni-len2+1) if storing [i: (i+len2)] == substoring! occur append(i) refur occur. 7 end.

