Task 10; use motflotib module for Plotting in Python.

AIM: To use modeletib module for plotting in Pathon.

Problem 10.1 write a Python Programming to display a bar charter of the Popularity of Programing languages

sample date:

Programming languages: Java, Python, PHP, Java schipt, C++, C++
Popularity: 22 2, 17-6,88,8,7-7,6.7

Algorithm:

restind the maximum Polulating value in the 11st.

3. Define a souring factor to scale the bar heights within a certain limit (eg., 50 Charaders).

the Polularity value stated by the scaling factor.

5. Plant the Chart using a loop to heate the over the Programming

Plint the language name and a sellerator character (eg. "(") b. use q tool to film the bar chart by the firsting the bar Character. d. Print a Tew line Character.

7-7-3

Program:

PIP install matherib

language list : q.

import madplotible pupiet as pit

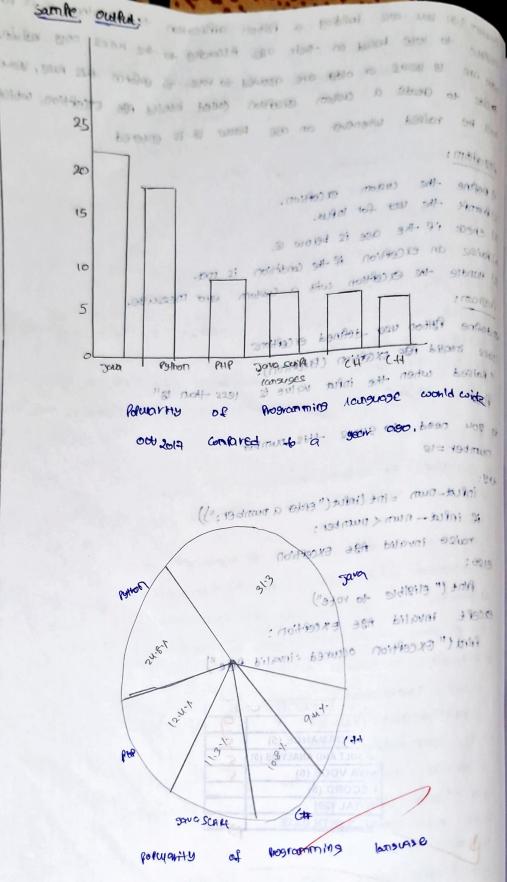
languages = ['Java 1, 1 Python', 1 PHP', Bava script', 1 CH', 1 CH+)
Porulatty = [22.2, 12.6, 8.8, 8, 7.7, 6.7]

Plt. bar Clanguages, Populantu, Color='b')

Ple. the ('following of programming panguages')

PIE. Y laber (Programming Longuages!)

CPIL. Stow ()



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and: the married of morning the biotests in Today of other geoffen son on the charge Bush a polymented notify to the hours 56 people porneigni 25 gHoling 34. 100 THE GOT THE TOTAL POST : 23 SOURTS CHARLES 20 100,000 F. J. F. F. 8. 8. 8. 9. F. 1 . R. 66: WHYCHE 15 10-THE PRODUCT OF A TO SECURITY OF THE POPULATION BOTH TOTAL חסיוחיות לאעוסירים מסוטו וה יואב ושל scaling theor to said the part relative and relative Jana Pothon Priphonon Sovoi and the City in each largeness and environmently late, concurate the for height as rotulary serveras ed enimarent scotis Locare the the thort using a loop to headle the over the presenting . p: tell sealer 0-4-4 CHE who the language nume (harotter (eg. "(") b, use a will as how trodo 541-Printing the box Charles. Java soult quil 108.1 11.3.1. ditolly of Moteri 919 4 tollet to offer the of the 101840865 = (DANO) (646), OCH) CHIE, OCH CHIE [FAFF 82488 2 FT (SE) = WHIPIUM 1016) LALLENDERS , SOCUENTY, COLOR (" some (" some of to manner") of the 119 fit. Kios el (Programming Languages) 16 . 4 10 Pet (, 60 6 10 HA) () word . 314

to a come a programming to create a pie chart of the popularity of Programming consusses. sample data: C3110H Appharmming languages : Java, Putton, PHP, Java SchPt, Ctt, Ctt F. 6, F.F. 8, 8-8, 6, 12, 28; Example 9 ALGOHHM: littedue a list of Programming consumpes and Politicality 2 create a lie Chart using the most Plotib library 01131-1 3, see the title and regent of the file chart-4. show the Pie Chart. Program: Import modflotib. By Plot as At # ster 1: ranguages = ['Java', 'Python', PHP', 'Java surpt', 'Cat' ,'(++) Populasty= [22.2,12.6,8.8,8,3.216.7] # Stepa: PH. Pie (Polulanty, labels = languages, autolit = lato 1. 1. Palata # Step3 PIE. thie ('Popularity of programming lenguages') Ptt. leaend (languages, # loc = "best" # SHEP 4: PH. Slow ()

L. TECH - CSE	
EX NO.	10
PERFORMANCE (5)	9
RESULT AND ANALYSIS (5)	3
VIVA VOCE (5)	5
RECORD (5)	-
TOTAL (20)	~
S ON WITH DATE	1

9____

Result: Thus the Pathon Program use mathetis module Ploping is executed and relified successful.