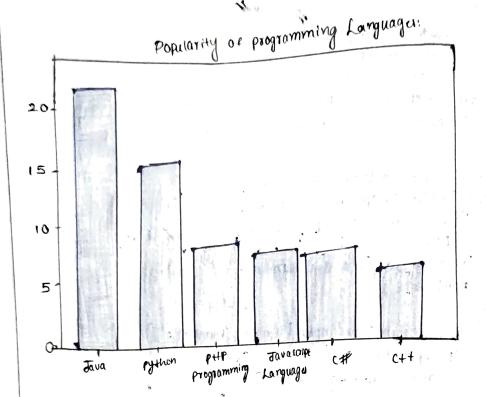
Taskio: Use math plot lib module for plotting in pythons Ain! To use marpholip module for playing in python problem to I write a python programming to display a bar that of the popularity of programming Languages. sample data: programming languages: Java, Python, PHP, Java Script, C#+, C++ popularity: 22:2, 17:6, 8:8, 8, 7:7, 6 7 1. Define two lists for programming languages and their popularity respectively. 2. Find the maximum popularity value in the list. 3. Define a scaling factor to scale the bar height as the popularity value scaled by 4. For each language and popularity pair, Calculate the Bar height as the Popularity 5. print the chart using a loop to literate over the programing language value scaled by the Scaling factor. print the language name and a separator character (e.g. "1") b. use a loop to list : a . Print the bas chart by printing the bar chorouter (e.g. "+")a number of times equal to the bar heighter print the popularity value with 9 separator characters. print a newline (haratter. Program :-# pip install matplotlib import mat plotib. Pyplot as plt language = ('Java', 'python', 'p +p', 'Javascript', (#)'(++ '] Popularity = [22.2, 17.6,8.8,8,7.7,67] Plt.bar (languages, popularity, (olor='b") plt title ('popularity of programming language') pit-relabel ('programming Languages') PIETY Cool ('popularity') problem 10.2: write a python programming to create a pie chart of the popularity of programming Languages. sampledata: programming language: Java, python, pep, Java script, (# ,c++ popularity: 22.2, 17.6, 8.8, 87.7,6.7 1. Crear a list of programming languages and popularity. 2 create a pie chart using the mod plot lib library and legend for the pie chart U. show the pie chart. program: Import matplotlib. Pyplot as pit

step1
languages= ['Java', 'python', 'p+P', Javascript', 'c#', 'c++']

Out put :-

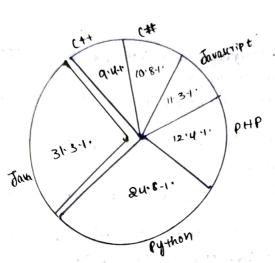


programming languages: Java, Python, PHP, Javascript, C#, c++
popularity: 22.2, 17.6,8.8,8,7.7,6.7

of

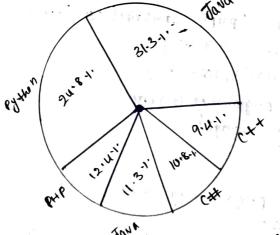
programming languages: Java, python, PHP, Java script, CAT, C++
popularity: 22.2, 17.6,8.8,8,7.7,6.7

Sample Output:



OUT PUT!-

Popularity of programming Languages:



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VELTECH	
(No.	(0
RFORMANCE (5)	5
SULT AND ANALYSIS (5)	3
VA VOCE (5)	5
: • 17 (5)	
5TA (- 19)	15
IN WITH ATE	RX

plotting is excuted and verified successful.