Tajk 10% Aim: write a python programming to diplay about chart of the porwarity

Algorithm!

1) Define 2 With for progremming langues: Java, Pothon, PHP, Javascript, Ctf, C++

- 2) Find the manimum popularity value inthelist
- 3) Define a scaling factor to scale the bar heights within a certain u'mi't
- 4) For each Language and popularity pair, calculate the bas height as the popularity.
- 5) parint the chart using aloop to iterate over the programming Language list:

2 17) / 3.el 10.11

Darodram;

#pip install madplotlib.

"mport mat plot lib. puplot captt;

Janguage = [Tava', Python, PHP, I Java Stoipt, CH , C++] Dobmaith = [555] (4.6, 8.8, 181 4.4 18.4)

Plt. bon [language, popularity, color='b'] plt. title ['popularity of \$ > 000 tramming Languages'] plt. xlabel (Parogramming Language) plt. ylab el (POP Wasity) plt. Shows

reaction of the minutes of the single configuration of the property the water or considerable ages according to a show or devotationally no also (10) more a set modified to the (15) HATHE CAROPINE WITHOUT A HUGINITOT REZUSANT PARE t phoghamming Language ONTY COTTY TONG IN mothers or control of the control of wa know as the cost of the string ex her Invalid Age exception was ad when the property to also is less those 1 Pathon photo Java 1 rath 1 States chiet institution b woodsomm ind globab across of proportions Charles of the Control of the Control THE RESIDENCE PARTY OF THE PROPERTY OF THE

Task 10.2 Write a python programming to create a piechartofthe popularity of parogramming Languagy

write a python programming to create a pie chart

Algorithm

i) (reat e achist of perogramming Languages & popularily e) (reate a pie chart during the matplot Lib libany 3) sat the title and legen ed for the pie chark w show the pie chart

Program

Directle, west 10

import max plotlib. Pyplot as plt

step 1

(anguages > [Java', 1 python', 4 HP', Java Script 1; CH!, C++] popularity = [22-2, 17-7, 6.8, 7-7, 6.7]

step2 PIt. Die (bo branità l'april = randra ani variante b(f= x1.112.x)

step 3

plti-little ('popularily of programming Language')

plt. Legened (languages, loc="best")

#step 4

plt. Show ()

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Result:

Thus the pyth on program we madplotlib mo dule for plotting is executed a verified successful.

mo ty menut while we well by the form hard only manufactured and all was copy responding the services. Python PH 11.4% Java Scripti ... CATILITY OF 1

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