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| **SR.** | **NAME** | **SIGN** |
| **1.** | **Python program to demonstrate Creation of Array using numpy** |  |
| **2.** | **Write a Program in python for Data frame with Boolean index by using loc** |  |
| **3.** | **Write a program in python using Reshapped Array (NUMPY)** |  |
| **4.** | **Write a program Concatenation the data in python, import pandas as pd** |  |
| **5.** | **Write a program Merge Two DataFrames in key INNER JOIN in python** |  |
| **6.** | **Write a program Merge Right Join in python** |  |
| **7.** | **Program Plotting a line chart of date versus temperature by adding Label on X and Y axis, and adding a Title and Grids to the chart.** |  |
| **8.** | **Create the MelaSale. csv using Python Pandas containing data as shown in Table** |  |
| **9.** | **Write a Python script to display Bar plot for the “MelaSales.csv” file with column Day on x axis, and having the following customisation:** |  |
| **10.** | **Program to Taking the same data as above, now let see how the histogram can be customised. change the edgecolor, which is the border of each hist, to green. Also, let us change the line style to ":" and line width to 2. Let us try another property called fi11, which takes boolean values. The default True means each hist will be filled with color and False means each hist will be empty. Another property called hatch can be used to fi11 to each hist with pattern ( '-', '+', 'x', '\ \', '\*', 'o', 'O', '.'). In the Program , we have used the hatch value as "o".** |  |
| **11.** | **Program displays the histogram corresponding to all attributes having numeric values, i.e., ‘Height’ and Weight’** |  |
| **12.** | **Program In order to assess the performance of students of a class in the annual examination, the class teacher stored marks of the students in all the 5 subjects in a CSV “Marks.csv” file as shown in Table. Plot the data using boxplot and perform a comparative analysis of performance in each subject.** |  |