Lab 3

1. WAP to create numpy array containing 1 to 100 values and display them.
2. WAP to show array dimension, array size and then resize the array into (3,3) if compatible.
3. Create 5x5 array in numpy containing all zeros, diagonal elements are one others zero, containing all ones
4. Perform matrix dot product on two matrixes
5. WAP to demonstrate all array slicing operation in numpy
6. Create view and copy of numpy array
7. WAP to create series of pandas containing random integer values of 2digit numbers
8. Create DataFrame to store total number of students in BBA,BIM,BCA,CSIT of any college and display the data
9. You have a DataFrame containing customer information. Write code to filter the DataFrame and create a new DataFrame with only customers from a specific state and who have made purchases over a certain amount.
10. WAP to Describe MultiIndex in Pandas DataFrames and its benefits for organizing and accessing data with hierarchical indexing structures.
11. WAP to explain Explain advanced indexing techniques in Pandas beyond basic indexing, such as Booleanindexing and fancy indexing based on conditions or expressions
12. Read any data from csv file and handle its missing values using different functions available in pandas.
13. WAP individual programs to demonstrate line graph, bar chart, pie chart, box plot, scatter plot and histogram
14. WAP to create a simple user registration form in tkinter and insert the data in mysql table
15. Create a simple calculater like program where you will have two number inputs and four button (add,sub,mul and div) the display output accordingly.
16. WAP to delete database data from tkinter also use proper message box
17. WAP to display database data in tkinter like table
18. Write commands steps to create a Django project.
19. Create a template in Django and develop another 3 pages extending that template. Then render all templates
20. WAP to display sum of two numbers taken from html form.