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SL.NO	PROGRAMS	PG.NO	
1.	Generate Prime and Fibonacci numbers within the range		
	given by user as input.		
2.	Create a tuple with different data types and print each		
	element. Check if an element exists in a tuple.		
3.	Create an empty list. Input 'n' items. Count total number of		
	Odd, Even, and zero items in the list and display the contents		
	of new lists.		
4.	Create a List n Integers and perform linear search on the list to		
	find a number which is user input.		
5.	Write a function that returns the second-largest element in a		
	tuple of integers. Add, remove, and insert elements in the		
	list.		
6.	Write a Python function that takes a list of integers as		
	parameter and function should return the maximum and		
	minimum numbers from the list. (don't use built-in methods)		
7.	Write a menu driven program to convert Input string into		
	Upper case, Lower Case, Proper case, or swap case.		
8.	Create two sets containing 'n' elements, using menu driven		
	approach Perform all the basic operations on both the sets		
9.	Write Python program to Accept string and count the total		
	number of vowels, consonants and blanks in a String. (Use		
	Assert statement to accept strings only)		
10.	Create a dictionary with few key-value pairs. Access and		
	modify dictionary values.		
11.	Create a Dictionary containing Key value pairs, Keys are		
	'Eno', Ename, ''City', 'Designation' and Salary. Write a		
	menu driven program to use dictionary methods Insert,		
	Update, Delete and Get Methods		
12.	Find the mean, median, and standard deviation of an array.		
13.	Write a python program to create a text file, insert n lines of		
	text and display its contents in a neat format. Also count the		
	number of lines, words and characters in the text file.		
14.	Write a program to accept numbers in the form of tuple or list		
	and display their sum and average (write two different		
	functions one for tuple and another for list)		
15.	Create a class named Employee containing employee details		
	such as Eid, Ename, City, Designation, Bpay, and Category.		

printing the details of employee for N employ  16. Create a Class containing Employee Details City, Bpay), include three methods to input Gross Salary and Display the details (Take to employees). To calculate Gross Salary use the Salary = Bpay +DA (50% on BPay)+ HRA (19)  17. Create a Class named student with the follow Regno, Name, Marks1, Marks2 and Marks1, Marks2 and Marks1, Marks2 and Marks1, Calculate total and	s (EID, Ename, data, calculate user input for N e formula Gross 10% on Bpay) ring details Marks3, include
City, Bpay), include three methods to input Gross Salary and Display the details (Take we employees). To calculate Gross Salary use the Salary = Bpay +DA (50% on BPay)+ HRA (1971).  Create a Class named student with the follow Regno, Name, Marks1, Marks2 and Marks1, Marks2 and Marks1, Marks2 and Marks1, Marks2.	data, calculate user input for N e formula Gross 10% on Bpay) ring details Marks3, include
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methods to Accent values calculate total and	display details.
inclined to Accept values, calculate total and	<u> </u>
18. Write a program in Python to demonstrate ha	ndling multiple
exceptions	
19. Create a class BankAccount with methods	s deposit() and
withdraw(). Raise an exception if the withdr	rawal amount is
more than the balance.	
Write a python program to create a text file of	containing sales
details (Id, Sname, ProductName, Total sales	), insert n lines
and display its contents in a neat format.	Also count the
number of lines, words and characters in the	text file.
Write a Python program to check the validity	y of a password
given by the user. (use exception handler)	
The Password should satisfy the following cr	riteria:
1. Contain at least 1 letter between a and z	
2. Contain at least 1 number between 0 and 9	
3. Contain at least 1 letter between A and Z	
4. Contain at least 1 character from \$, #, @	
5. Minimum length of password: 6	
6. Maximum length of password: 12	
Create an array of 15 random integers (	**
specific elements using fancy indexing, di	
greater than 50 using masking, and replace a	all odd numbers
with -1.	1 1
Create Numpy array using linspace, eye(),	and arange and
display details	1 1 1
Write a Pandas program to create the mea	
deviation of the data of a given Series. (Take	
Create a Data frame containing Salesman	·
Name, City, ProductName, Qty, Price) from	-
display first 10 and last 5 rows. Also do the fo	onowing

- i. Sort the data frame in the ascending order of city and descending order of ProductName
- ii. Print the average and sum of product sold Product name-wise
- iii. Print the sum of Total sales done by each salesman
- iv. Add new column named Total sales from Qty \* Price
- v. Display Sales Man who does not belong to city Mangalore and Total Sales <1,00,000
- vi. Display salesman belonging to any 3 cities and their total qty <10
- vii. Draw bar chart for total sales