PY1(a) - Calculate Factorial

1(a) Write a program to calculate the factorial of the given number using for loop.

PY1(b) - Sum of Series

1(b) Write a program to sum the series:$1/1 + 2^2/2 + 3^3/3 + \ldots\ldots N^N/n$

PY2(a) - Odd or Even

2(a) Write a program using functions to check whether a number is even or odd.

PY2(b) - Reverse the String

2(b) Write a program to create a mirror of the given string. For example, "wel" = "lew".

PY3 – Generate values and remove odd numbers

3.Write a program to generate values from 1 to 10 and then remove all the odd numbers from the list.

PY4 – Generate Prime numbers and Set Operations

4. Write a Program that generates a set of prime numbers and another set of odd numbers. Display the result of union, intersection, difference and symmetric difference operations.

PY5 – Display sting elements – Using Class

5. Write a program to accept a string and print the number of uppercase, lowercase, vowels, consonants and spaces in the given string using Class.

DB6 – MySQL Employee Table

6. Create an Employee Table with the fields Empno, Empname, Desig, Dept, Age and Place.

  Enter five records into the table

• Add two more records to the table.

• Modify the table structure by adding one more field namely date of joining.

• Check for Null value in doj of any record.

• List the employees who joined after 2018/01/01.

DB7 – MySQL Student Table

7 .Create Student table with following fields and enter data as given in the Table below.

Data to be entered:

Field	Type	Size
Reg_No	char	5
Sname	varchar	15
Age	int	2
Dept	varchar	10
Class	char	3

Reg_No	Sname	Age	Dept	Class
M1001	Harish	19	ME	ME1
M1002	Akash	20	ME	ME2
C1001	Sneha	20	CSE	CS1
C1002	Lithya	19	CSE	CS2
E1001	Ravi	20	ECE	EC1
E1002	Leena	21	EEE	EE1
E1003	Rose	20	ECE	EC2

Then, query the followings:
(i) List the students whose department is "CSE".
(ii) List all the students of age 20 and more in ME department.
(iii) List the students department wise.
(iv) Modify the class M2 to M1.
(v) Check for the uniqueness of Register no.

PY8 – Python with CSV

8. Write a program using python to get 10 players nameand their score.Write the input in a csv file. Accept a player name using python.Read the csv file to display the name and the score.If the player name is not found give an appropriate message.

PY9 – Python with SQL

9 .Create a SQL table using python and accept 10 names and age .sort in descending order of age and display.

PY10 – Python Graphics with Pip

10 .Write a program to get five marks using list and display the marksin pie chart.

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