

PRACTICAL FILE- COMPUTER SCIENCE (083)

LIST OF PRACTICALS (2020-21) CLASS-XII

Programming Language : Python

S. No.	NAME OF PRACTICAL
1	Write a program to check a number whether it is palindrome or not.
2	Write a program to display ASCII code of a character and vice versa.
3	Write a python program to sum the sequence given below. Take the input n from the user. $1+1/1!+1/2!+1/3!+\dots+1/n!$
4	Write a program to calculate the factorial of an integer using recursion.
5	Write a program to find sum of all elements of a list using recursion.
6	Write a program to print fibonacci series using recursion.
7	Write a program for binary search using recursion..
8	Write a recursive python program to test if a string is palindrome or not.
9	Write a program to read a text file line by line and display each word separated by '#'.
10	Write a program to count the number of vowels present in a text file.
11	Write a program to count number of words in a file.
12	Write a program to count the number of times the occurrence of 'is' word in a text file.
13	Write a program to write those lines which have the character 'p' from one text file to another text file.
14	Create a binary file with name and roll number of student and display the data by reading the file.
15	Write a program to search a record using its roll number and display the name of student. If record not found then display appropriate message.
16	Write a program to update the name of student by using its roll number in a binary file.
17	Write a program to delete a record from binary file.
18	Write a program to read data from a csv file and write data to a csv file.
19	Write a program to generate random numbers between 1 to 6 and check whether a user won a lottery or not.
20	Write a program to create a library in python and import it in a program.
21	Write a program for linear search.
22	Write a program for bubble sort.
23	Write a menu based program to perform the operation on stack in python.
24	Write a menu based program to perform the operation on queue in python.
25	Write a program to find the most common words in a file.
	SQL Queries :
26	Create a table EMPLOYEE with constraints.
27	Insert data into the table.
28	Add a new column in a table.
29	Change the data-type and size of an existing column.
30	Write SQL queries using SELECT, FROM, WHERE clause based on EMPLOYEE table.
31	Queries using DISTINCT, BETWEEN, IN, LIKE, IS NULL, ORDER BY, GROUP BY, HAVING
32	Queries for Aggregate functions- SUM(), AVG(), MIN(), MAX(), COUNT()
33	Write a program to connect Python with MySQL using database connectivity and perform the following operations on data in database: Fetch, Update and delete the data