

**ASSIGNMENT ON WHILE/FOR LOOP**

1. Write a python program to accept the string and count the number of upper case character2. Write a program to count the number of times a character appears in a given string.

3. Write a Program in python to display a menu for calculating area of a circle & perimeter of a circle. 4. Write a program to find the sum of the digits of a number accepted from user

5. write a program to print table of a number accepted from user

6. Accept 10 numbers from the user and display their average

7. Write a program to display all the numbers which are divisible by 11 but not by 2 between 100 and 500.

8. A

BC

DEF

GHIJ

KLMNO

9.Print Fibonacci Series: Generate the first 10 numbers of the Fibonacci series using a while loop.

10.Print Even Numbers from 2 to 20: Print even numbers from 2 to 20 using a while loop.

11. Reverse a List: Given a list, reverse its elements using a while loop.

12. Swap Adjacent Elements in a List: Given a list, swap adjacent elements using a while loop.

13. Check if a List is Palindromic: Given a list, check if it is a palindrome (reads the same forwards and backwards) using while loop without use of slicing.

14. Remove All Occurrences of a Specific Element: Given a list, remove all occurrences of a specific element using a while loop.

15.Modify List Elements by Doubling Them: Given a list of numbers, multiply each element by 2 using a while loop.

16. Concatenate Two Lists Index-Wise: Given two lists of equal length, create a new list by concatenating elements index-wise.

17. Remove Empty Strings from a List of Strings: Given a list of strings, remove any empty strings from it using a while loop.

18. Print the following patterns using loop :  
a.  
\*  
\*\*  
\*\*\*  
\*\*\*\*  
b.  
   \*    
 \*\*\*   
\*\*\*\*\*  
 \*\*\*   
   \*

c.  
1010101  
 10101   
  101    
   1

19. Write a program to find greatest common divisor (GCD) or highest common factor (HCF) of given two numbers.

20. Take integer inputs from user until he/she presses q (Ask to press q to quit after every integer input). Print average and product of all numbers.

21. Write a program that takes a list of tuples representing students' names and scores, and categorizes each student as "Pass" or "Fail" based on a passing score of 50.

Eg: students = [("Alice", 85), ("Bob", 42), ("Charlie", 59), ("David", 30), ("Eva", 76)]

*Trainer: Pooja Singh*