

****Assignment 5** While loop**

1. Write a program to generate all possible multiples of a number given by the user.
2. Write a program to produce the factorial of a number by taking input from the user.
3. Write a program to display all odd and even numbers from the range between 10 to 25.
4. Write a program to generate the table of a number given by the user. Output should be in the format: $2 \times 2 = 4$ and so on.
5. Write a program to check if a number is palindrome or not, provided by the user.
6. Write a program to generate the Fibonacci series of a number given by the user.
7. Write a program to check if a number provided by the user is prime or not.
8. Write a program to generate the squares of the first 10 natural numbers. The output should be in the format: Square of 2: 4 and so on.
9. Write a program to find the sum of digits by taking input from the user.
10. Write a program to check if a number given by the user is a palindrome or not.
11. Write a program that takes the starting point and ending point of a number as input from the user, then calculates the sum of the generated numbers.
12. Write a program that takes the starting point and ending point of a number as input from the user, then calculates the product of the generated numbers.
13. Write a program to find the greatest character from the string "python".
14. Write a program that allows users to search for a character within a given string "Python is a programming language".
15. Write a program to filter out all vowels and consonants from a string given by the user.
16. Write a program to filter out duplicate characters of a string given by the user.
17. Write a program to find the greatest character from the string "python".
18. Write a program to display all letters except 'm' and 'i' from the string "Dreamer Infotech".
19. Write a program that prints alternate characters of a given string provided by the user.
20. Write a program to reverse the string given by user.