Exercises Funtions

1. Write a program to create a function that **takes two arguments**, **name and age**, and print their value.

2. Write a program to create function **var_len_arg()** to accept a variable length of arguments and print their value.

3. Write a program to create function **calculation()** such that it can **accept two variables** and calculate **addition and subtraction** and **return both values**.

4. Write a program to create a function **Student()** using conditions.

   A) It should accept the Students name and **HTNo** and display both.
   B) If the HTNo is missing in the function call then assign **default value 2022A51001**.

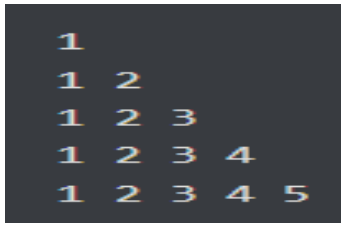
5. Write a program to create a **recursive function** to calculate the **sum of numbers from 0 to 10.**

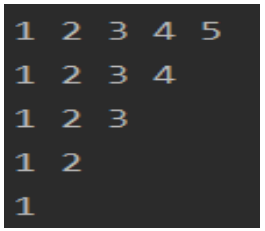
6. Assign a **different name to function** and **call it through the new name**

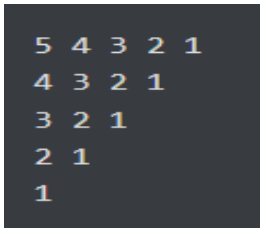
Exercises Loops

7. Print **First 10 natural** numbers using while loop.

8. Print the following pattern







9. Calculate the sum of all numbers from **1 to a given number.**

10. Write a program to print multiplication table of a given number

11. Write a program to display numbers from a list using loop ..

    The number must be divisible by five
    If the number is greater than 150, then skip it and move to the next number
    If the number is greater than 500, then stop the loop

12. Write a program to **Count the total number of digits** in a number

13. Print list in reverse order using a loop, reversed()

Exercises

14. Generate a Python **list** of all the even numbers **between 2 to 30**

15. Find the largest item from a given list use max fun.

16. Write a program to display Fibonacci series up to 10 terms:
17. 0, 1, 1, 2, 3, 5, 8, 13, 21.

18. Display elements from a given list present at odd index positions.
19. [1,2,3,4,5,6,7,8,9,10]