**Yay- Python Basics**

**Practice Problems for Beginners**

1. Write a Python program that accepts the radius of a circle from the user and compute the area.
2. Write a Python program that accepts the user's first and last name and print them in reverse order with a space between them.
3. Write a Python program to display the first and last colors from the following list.

color\_list = ["Red","Green","White" ,"Black"]

1. Write a Python program to test whether a number is within 100 or 1000 or 2000.
2. Write a Python program to check whether the given number is even or not.
3. Given a list in Python and provided the positions of the elements, write a program to swap the two elements in the list.

**Input :** List = [23, 65, 19, 90], pos1 = 1, pos2 = 3

**Output :** [19, 65, 23, 90]

1. Write a Python program to print all negative numbers in the given list.
2. Write a Python program to check whether the given string is a Palindrome or not.
3. Write a Python program to accept a tuple as input from the user. Now ask the user if they want to add more elements to it. If the response of the user is “Yes”, accept the values and them to the original tuple and then display it.
4. Write a Python function to check whether a number is perfect or not. According to Wikipedia: In number theory, a perfect number is a positive integer that is equal to the sum of its proper positive divisors, that is, the sum of its positive divisors excluding the number itself (also known as its aliquot sum). Equivalently, a perfect number is a number that is half the sum of all of its positive divisors (including itself).
5. Write a Python function that checks whether a passed string is palindrome or not.
6. Write a Python function that prints out the first n rows of Pascal's triangle.