ASSIGNMENT ON PYTHON

1. **Python**

Guido van Rossum began working on Python in the late 1980s as a successor to the ABC programming language and first released it in 1991 as Python 0.9.0.[36] Python 2.0 was released in 2000 and introduced new features such as list comprehensions, cycle-detecting garbage collection, reference counting, and Unicode support. Python 3.0, released in 2008, was a major revision that is not completely backward- compatible with earlier versions. Python 2 was discontinued with version 2.7.18 in 2020

Python is a high level

General purpose

Programming Language

Python is an interpreted

object-oriented

It supports multiple programming paradigms, including structured (particularly procedural), object-oriented and functional programming. It is often described as a "batteries included" language due to its comprehensive standard library

**2.Create A Login Function**

def login():

    username = input("Enter your username: ")

    password = input("Enter your password: ")

    if username == "Mahi" and password == "7500":

        print("Welcome, admin!")

    else:

        print("Invalid username or password")

**3.Write A Program to Find Even And Odd Numbers**

print('Findtheoddoreven')

Type\_Number=int(input('Enter the number\n'))

if Type\_Number % 2 ==0:

 print("its even number")

else:

   print("its odd number")

**4.Create A List Of Fruits And Iterate Through Them**

print('List of Fruits')

Fruits={'Mango','Apple','Orange','pineapple','watermelon','Grapes'}

for x in Fruits:

 print(x)