***ASSIGNMENT ON PYTHON***

*1.PYTHON*

*Python is a computer programming language often used to build websites and software, automate tasks, and conduct data analysis. Python is a general-purpose language, meaning it can be used to create a variety of different programs and isn't specialized for any specific problems. Python is a general-purpose language which means it is versatile and can be used to program many different types of functions.*

* *Easy to Code.*
* *Easy to Read.*
* *Free and Open-Source.*
* *Robust Standard Library.*
* *Interpreted.*
* *Portable.*
* *Object-Oriented and Procedure-Oriented.*
* *Extensible.*

*2.Create A Login Function*

*def login():*

*username = input("Enter your username: ")*

*password = input("Enter your password: ")*

*if username == "NITHYA" and password == "1503":*

*print("Welcome, NITHYA!")*

*else:*

*print("Invalid username or password")*

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

*num = int(input(“Enter a number: “))*

*if(num%2)==0;*

*print(“{0} is Even number)*

*else:*

*print(“{0} is Odd number)*

*output:*

*Enter a number: 126*

*126 is Even number*

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

*print('List of Fruits')*

*Fruits={'Muskmelon','Mango','Kiwi','Strawberry','Dragon Fruit','Apple'}*

*for x in Fruits:*

*print(x)*