Assignment-1

1. Explain the history of Python programming Language.

→ Python was conceptual by guido vars Russian in the late 1980's.

→ Rossum published the frist version of Python Code Co.902 in february at the CWi (central wishund and informaetion) in the Netherland, Asmeded

→ python is derived from ABc Programming Language which is general purpose programming language that had been declared at the cwi

→ Rossum choose the name "python" since he was a big fan of monty python Flying circus

→ python is new although mainland on a core development team at the instuk although Rossum still held a vital rale in directing its progress.

2. What are the Features of python 'Explan

→ Easy to Learn, easy to read and easy to maintel

→ Portable: it can run on various hardware platform and has the same interface on all Platform.

→ Extendable: you can add Low level module to the Python interpreter.

→ Scable: python provides as good Structure and Support for large Program

→ python has support for an interactive mode to testing and debugging

→ python has support an interactive broad standard

Library Cross Platform.
→ Everything in python is an object has an JD.A type and/or value.
→ Python provides interfaces to all Commercial database.

3. Explain how python differs from other Programming language or Compare python either.

⇒⟩ Java
→ general purpose solving Programming language to allows. work one item everywhere.
→ Typing :- Java use Static typing where user is Forced to choice a variable type which cannot be Changed later in Programming Language.
→ Speed :- Java can be used For desktop programming and webs application Java as Faster

⇒⟩ python.
→ High level programming language Pc as on lock good ability and stem syntex.
→ Python user dynamic typing allowing users to change the variable type thus making it easy to learn
→ It is not Fast as Java.

4. Write a python program to Implement febounci sequence for given input

```
-> number = int(input("How many terms?").
    n1,n2=0,1
    count=0

    if number <=0:
        print("please Enter a positive integer")
    Elif number ==1:
        print("Febounci sequence upto number":")
        print(n1)

    Else:
        print("Fibonici sequence")
        while count <number
            print(n1)
        ntn = n1+n2
        h1= h2

        h2=nth
        count +=1
```

output:-
        how many terms: 7
        Fibourcci sequence:-

```
0      0
1      1
0·1    1
2      2
3      3
5·     5
8      8
      13
```

Ans5 A Compiler takes a Program as a whole an interpeter leeke single lines of a code. The Compilers generates an intermediate code. The interpter never generate any intermediate machine code