Chapter 01:-

Introduction to python programming

Python Variables:

A variable in programming is used to Store data (values).

=> For enample:

a= 10

b= 1.1

Rules for Morning a Voriable:

A variable name consists of alphabets (a to z) and (A to Z), digits (0 to 9) or an underscore.

You can't start a variable name with a digit

Use underscore if you want to create a variable name having two or more words.

Python Literals:

Literal is vaw data used for representing fixed value.

For enample,

number = 5.5

Here, number is a variable and 5.5 is aliteral.

· Rython comment:

In programming, a comment is used to describe what's going on inside

This is a comment

a = "Hello" # a contains "Hello"

Take input from the user:

To take input from the user and store it in a variable, we use input () function-

name = input ("Enter name")

print ("Hello", name)

OUT put

Enter name: Jack

Hello Jack

What is an Operator, An operator is a special symbol that carries out, asithmetic or logical computation. I toe example. a = 5 Sum = a+ +10 Print (Sum)

Output: 15 Arithmetic Operators,-Arithmetic operators are used to perform mathmetical operations like addition, substraction, multiplication et. Assignment Operators,-We have used = operators numerous times up until now. It is an assignment operator Assignment operator is used in python to assign values to variables. For enample:a=5 name = " Jack Smith" Here we have assigned. 5 to the variable a, Similarly we have assigned. "Jack' Smith" String to the variable name-

MORE ASSIGNENT OPERATORS >-

$$X + = 5$$

$$X - =5$$

Operator precedence list, The operator precedence in python is listed below from higher order to lower order. +x,-x

*, /, //, 0/6

Python comparison operators:
Comparison operators are used to compare
two values

Operator Name Example

== Equal x==y

Not equal x1=y

Greater than x=y

Less than x=y

z= greater than equal x x=y

Less than equal x x=y

less than or equal to x=y

Python logical operators.

Logical operators are used to combine conditional statement.

Operator Description Enample

and Returns True X 25 and X

if both statements 2 10.

are true