Session 1:

* What is python

Session 2:

* Install python and few examples:

For String and Character we use double quotes(“ “)

EG : print(“HELLO WORLD”)

print(“H”)

For numbers we use no double quotes direct we write (number)

EG: print(2)

Session 3:

* Declaration of variables

EG: AGE=40 //print(AGE)

Name=”hello” //print(Name)

No=75.75 //print(No)

* Assigning multiple values //MULTIPLE ASSIGNMENTS

EG: a=b=c=10 //all has values 10

a,b,c=10,10.3,”john” //it has values in sequence

Session 4:

* Data- types in Python

NUMERIC

-INTEGER

-COMPLEX NUMBER

-FLOAT

DICTIONARY

It has key value pairs //d = {1:”maths”,2:”science”}

BOOLEAN

//A=True

SET

//set1=set()

//set2={“hello”,63,”world”}

SEQUENCE TYPE

-STRINGS //x=”hello”

-LIST //y=[“mango”,”orange”,”banana”]

-TUPLE //z=(“mango”,”orange”,”banana”)

TO FIND WHAT TYPE OF DATATYPE IS FOLLOWING VARIABLE

//type(variable-name)

Session 5:

DATATYPE CONVERSION

s=”2000”

c=int(s,2) //string s to int base 2

d=float(s) //to float

h=ord("4") //char to int (4 converted to int it was char)

g=ord(“f”) //f ascii value in numeric value

x=hex(74) //int to hex

k=tuple(‘ehw’) //string to tuple

n=list(“hfskj”) //string to list

s=str(“74”) //int to string

d=chr(66) // numeric to ascii value i.e char(B)

Session 6:

Identifier

Keywords

Reading-input /var=raw\_input(“ ”)

/var=input(“ ”)

Session 7:

Taking multiple input /split()

/input().split(separator,maxsplit)

Always use space for input the value

x,y,z=input('enter three values: ').split()

print('No of boys: ',x)

print('No of girls: ',y)

print('No of teachers: ',z)

Output Formatting

Done by 3 methods:

-Format Method

-String Method

//print("Rank: %5d,Percentage: %5f"%(1,56.785))

After Rank 5 spaces and then value same for Percentage

//print("INteger: %3d,Flaoting: %3f"%(46,67.478))

-Module(%) Operator

//print("Rank: %d,Percentage: %f"%(1,56.785))

It will show 6 value after .

//print("Rank: %d,Percentage: %0.3f"%(1,56.785))

It will show only 3 value after . now

//print("INteger: %d,Flaoting: %f"%(46,67.478))

Session 8:

Output Formatting

//print(“i am learning {} from {}”.format(“python”,”udemy”))

//print(“i am learning {0} from {1}”.format(“python”,’udemy’))

//print(“i am learning {1} from {0}”.format(“python”,’udemy’))

To adjust the text at center ,left,right

a="MY NAME IS KHAN"

print(a.center(90,"\*")) //a in center total with 90 \* and a variable

print(a.ljust(90,"\*")) // a in left total with 90 \* and a variable

print(a.rjust(90,"\*")) // a in right total with 90 \* and a variable

Use of end

print('jay')

print('jay to',end='')

print('kjsfkhkifk hgfdsbdfs ghjfsd',end='')

//op

// jay

jay tokjsfkhkifk hgfdsbdfs ghjfsd