

## DAY-2: ASSIGNMENT 2(python essentials)

Topic covered in today lecture:

**continuation sign:**

### **1-Backslash (\)**

when we want to write multiline print statement then we use \ ex-

```
print("hello \
      world")
```

output- hello world

### **2-triple quotes (""")**

triple quotes can be use for printing statement it will behave same as single quote(') or double quote("")

ex- print("""hello python""")

output- hello python

places where triple quotes can be use-

1-text art

2-doc string

3-sql statement

### **3-string inside quote**

suppose we are using single(')quote in printing some statement and the statement has also(') as english word then compiler will throw an error and to resolve it we can use

ex-print(' python programming')

throw an error

so we can write this without an error as ('python \'s programming')

output-python's programming

### **4-escape sequence**

\a=alarm

\t=tab

ex-print("hello\tworld")

output-hello world

\n=newline

ex-print("hello \n world")

out-hello

world

how the print statement can be used:-

print("hello")

x=10

y=20

ex 1:print(x,y)

output:10 20

ex 2:print("the value of x is",x,"the value of y is",y)

output:the value of x is 10 the value of y is 20

```
ex 3:print("x is %d and y is %d"%(x,y))
output:x is 10 y is 20
```

variable - the variable has a false name it holds the value and it points to the memory address which has the value stored in it.

To find the address of variable- ex-id(x)

```
del(x)
```

delete the x and free the memory

## **operators in python:**

1-assignment operator

2-binary operator

3-ternary operator

4-logical operator

5-comparison operator

**1-assignment operator:**to assign the value to the variable

```
ex-x=10
```

**2-binary operator:**!=not

```
|=or
```

```
&=and
```

```
^=xor
```

```
~=1's complement
```

**3-ternary operator:**(x>y)?(x=10):(y=20)

**4-logical operator:**&& and if both the statement are true then statement will execute

|| or if atleast one statement is true it will execute

**5-comparison operator:** <=,>=,if(x==y)

```
x=10
```

```
y=10
```

```
true
```

```
str1 ="abcd"
```

```
"a" in str1
```

```
true
```

```
"x" in not str1
```

```
true
```

**6-identity operator:**a=10

```
b=10
```

```
a is b
```

```
output=true
```

```
a=10.5
```

```
b=10.5
```

```
a is b =output=false
```

