**PYTHON**

print("Hello, World!")

x=1

if(x>0):

    print("These are two comments")

txt=input("Type something: ")

print(txt)

print("Statement 1")

print("Statement 2")

# or you can write the same as:

print("Statement 1"); print("Statement 2")

#with single space indentation:

x=1

if(x>0):

 print("This statement has single space indentation")

 print("This statement has single space indentation")

 # with single tab indentation.

 if(x>0):

    print("This statement has a single Tab indentation")

    print("This statement has a single Tab indentation")

#  indentation of a single space + a single tab.

if(x>0):

    print("This statement has  indentation of a single space + a single tab.")

    print("This statement has  indentation of a single space + a single tab.")

#Data Types

a=1452

print(type(a))

b=-1452

print(type(b))

c=0

print(type(c))

g=1.03

print(type(g))

h=-11.03

print(type(h))

i= .34

print(type(i))

j= 2.10e-10

print(type(j))

k=5E220

print(type(k))

x=complex(1,2)

print(type(x))

print(x)

z=1+2j

print(type(z))

print(z)

z=1+2J

print(type(z))

print(z)

x=True

print(type(x))

y=False

print(type(y))

#Strings

str1="string1"

print(str1)

str2='string2'

print(str2)

str3="Day's"

print(str3)

str4='Day"s'

print(str4)

print("this is a \\ backSlash")

print("this is tab \t key")

print("these are \'single quotes\'")

print("these are \"double quotes\"")

print("This is a new line\n New line")

str="PYTHON TUTORIAL"

print(str[0])

print(str[-15])

print(str[14])

print(str[-1])

print(str[4])

print(str[-11])

#List

my\_list1=[5,12,13,14]

print(my\_list1)

my\_list2=["red", "black", "white"]

print(my\_list2)

my\_list3=["red", 12, -17.3]

print(my\_list3)

my\_list=[]

print(my\_list)

color\_list=['red', 'black', 'green', 'blue']

print(color\_list[0])

print(color\_list[0], color\_list[3])

print(color\_list[-1])

#string slicing

print(color\_list[0:2])

print(color\_list[1:2])

print(color\_list[1:-2])

print(color\_list[:3])

print(color\_list[:])

**Output:**  
Hello, World!

These are two comments

Type something: Hello! I am Qasim

Hello! I am Qasim

Statement 1

Statement 2

Statement 1

Statement 2

This statement has single space indentation

This statement has single space indentation

This statement has a single Tab indentation

This statement has a single Tab indentation

This statement has indentation of a single space + a single tab.

This statement has indentation of a single space + a single tab.

<class 'int'>

<class 'int'>

<class 'int'>

<class 'float'>

<class 'float'>

<class 'float'>

<class 'float'>

<class 'float'>

<class 'complex'>

(1+2j)

<class 'complex'>

(1+2j)

<class 'complex'>

(1+2j)

<class 'bool'>

<class 'bool'>

string1

string2

Day's

Day"s

this is a \ backSlash

this is tab key

these are 'single quotes'

these are "double quotes"

This is a new line

New line

P

P

L

L

O

O

[5, 12, 13, 14]

['red', 'black', 'white']

['red', 12, -17.3]

[]

red

red blue

blue

['red', 'black']

['black']

['black']

['red', 'black', 'green']

['red', 'black', 'green', 'blue']