Lab 1

Printing hello world

```
print("hello world”)
```

Taking user input

```
txt=input("type a line")
print(txt)
```

Print statements

```
st1="hello"
st2="world"
print(st1)
print(st2)
```

```
st1="hello"
st2="world"
print(st1);print(st2)
```

```
Output: hello
        World
```

INDENTATION

```
x=5
if x<10:                #colon at the end
    print(“zartasha")
```

DETERMINING DATATYPE

```
x=5
print(type(x))
b=67.89
print(type(b))
z=2+3j
print(type(z))
z=complex(1,2)
print(type(z))
z=True       #keep the T capital
print(type(z))
```

PRINTING STRINGS

```
str="hello world"
print(str) #no error
```

```
str='hello world'
print(str) #no error
str="hello world'
print(str)
#causes an error of eol
String cannot start with single quote and end with double quote
and viceversa
```

CREATING AND DISPLAYING ARRAYS

```
print(str[0])    #p
print(str[-1])   #l
print(str[0],str[4],str[8])   #pol
```

STRING SLICING

```
str="python tutorial"

print(str[1:3])    #yt
print(str[-4:-1])  #ria
print(str[ : ])    #python tutorial
Doesn't display the second limit character
```

CREATING AND DISPLAYING LISTS

```
list1=["red","yelllow","green","1","5.6"]
print(list1)
print(list1[-2])
print(list1[2:5])
print(list1[ :4])
print(list1[ : ])
OUTPUT
```

['red', 'yelllow', 'green', '1', '5.6']
1
['green', '1', '5.6']
['red', 'yelllow', 'green', '1']
['red', 'yelllow', 'green', '1', '5.6']