Lab 2

Name: Shashank Bagda   **Date: 06 / 07 / 22**

Enrollment No: 92100133020

CO1: To write, test, and debug simple Python programs

CO2: To implement Python programs with conditional, loops and functions

Task1:

Python Code and Output:

```python
a = "My department is ICT"

print(a[ : 2])
print(a[2 : 5])
print(a[ :: 1])
print(a[::2])
print(a[-5 : -2])
print(a[ :: -1])
print(a[2 : ])
```

```
My
 de
My department is ICT
M eateti C
s I
TCI si tnemtraped yM
 department is ICT
```

```python
a = "My department Name is ICT"
print(a)
b = a.replace("N","n")
print(b)

print(b[13 : 18])
```

```
My department Name is ICT
My department name is ICT
 name
```

```
[ ]  a = " ICT "
     a.strip()
```

```
'ICT'
```

```
[ ]  a = 5
     b = 5

     if a>b:
       print("A is greater then B")

     elif a==b:
       print("A is equals to B")

     else:
       print("B is greater then A")
```

```
A is equals to B
```

```
# Write the python code to check the number is even or not

a = 4

if a%2==0:
  print("The number is Even")
else:
  print("The number is Odd")
```

```
The number is Even
```

```
[ ]  a='a' in 'Program'
     print(a)
     b = 'a' not in 'Program'
     print(b)
```

```
True
False
```

```
[ ] a = "My Department Name is ICT"
    b = 'ICT' in a

    print(b)

    if b==True:
      print("ICT is available in a")
    else:
      print("ICT is not available in a")

    True
    ICT is available in a
```

```
a = "ICT\n"
i = 4

if i%2==0:
  print(i*a)
else:
  print(a)
```

```
ICT
ICT
ICT
ICT
```

```
[ ] #Shifting Operations towards left

    a = 97868

    a<<4  # here 4 shows the number of bits to be shifted

    1565888
```

```
#Shifting Operations towards right

a = 97868

a>>4

6116
```