

Lab 1

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Enrollment No: 92100133023

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

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

Task1:

Python Code:

```
print("Hello World!")
```

Output:

Hello World!

Python Code:

```
print(2+3)
```

Output:

5

Python Code:

```
print(2-3)
```

Output:

-1

Python Code:

```
a="ICT"
```

```
print("My Department is "+a)
```

Output:

My Department is ICT

Python Code:

```
a=3+2j
```

```
type(a)
```

Output:

class 'complex'

Python Code:

```
print("My Name is Vedant",end = '*')
```

Output:

```
My Name is Vedant *>
```

Python Code:

```
a=10
b=20
print(a<b)
print(a>b)
print(a!=b)
print(a==b)
print(a//b)
print(a**(b/10))
print(a%b)
print(a/b)
print(a+b)
print(a-b)
print(a*b)
print(a&b)
print(a|b)
```

Output:

```
True
False
False
True
0
100.0
10
0.5
30
-10
200
0
30
```

Python Code:

```
a="ICT"  
len(a)  
a.lower()  
a.upper()
```

Output:

```
3  
'ict'  
'ICT'
```

Python Code:

```
a="My Department Is ICT"  
a.replace("ICT","CE")
```

Output:

```
'My Department Is CE'
```

Python Code:

```
a="VEDANT"  
b= a[5]+ a[4]+a[3]+a[2]+a[1]+a[0]  
print(b)
```

Output:

```
TNADEV
```