



विशाल जाधव सरांचे

VJTech Academy

Inspiring Your Success...

“Python Programs- Control Statements in Python”



Live Class Lectures

UNIT-II Programs

❖ Program: Write Python Program on Bitwise Operator.

```
#Bitwise Operator
x=10
y=4
print("x&y Result is", x&y);
print("x|y Result is", x|y);
print("x^y Result is", x^y);
print("~x Result is", ~x);
print("x<<2 Result is", x<<2);
print("x>>2 Result is", x>>2);
```

OUTPUT

```
x&y Result is 0
x|y Result is 14
x^y Result is 14
~x Result is -11
x<<2 Result is 40
x>>2 Result is 2
```

❖ Program: Write Python Program to show the use of break keyword.

```
# Program to show the use of break keyword
for i in range(1,6):
    if i==3:
        break
    print("Value of i=",i)
```

OUTPUT

```
Value of i= 1
Value of i= 2
```

❖ Program: Write Python Program on Comparision Operator.

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#Comparison Operator Program

```
a=10;
b=20;
print("a<b :",a<b); #True
print("a>b :",a>b); #False
print("a<=b :",a<=b); #True
print("a>=b :",a>=b); #False
print("a==b :",a==b); #False
print("a!=b :",a!=b); #True
```

OUTPUT

```
a<b : True
a>b : False
a<=b : True
a>=b : False
a==b : False
a!=b : True
```

❖ **Program: Write Python Program to show the use of continue keyword.**

Program to show the use of continue keyword

```
for i in range(1,6):
    if i==3:
        continue
    print("Value of i=",i)
```

OUTPUT

```
Value of i= 1
Value of i= 2
Value of i= 4
Value of i= 5
```

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❖ Program: Write Python Program for each loop.

```
#for each loop
number=[10,20,30,40,50];
sum=0;
for x in number:
    sum=sum+x;
print("Sum of Numbers:",sum);
```

OUTPUT

Sum of Numbers: 150

❖ Program: Write Python Program to display 'VJTech Academy' message on output screen 5 times.

```
# Program to display 'VJTech Academy' message on output screen 5 times
for i in range(1,6):
    print("VJTech Academy")
else:
    print("End of the program")
```

OUTPUT

VJTech Academy
VJTech Academy
VJTech Academy
VJTech Academy
VJTech Academy

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End of the program

❖ Program: Write Python Program on an Identity Operator.

```
#Identity Operator
x=10;
y=10;
z=20;
print("x is y =>", x is y);
print("x is not y =>", x is not y);
print("x is not z =>", x is not z);
print("x is z =>", x is z);
```

OUTPUT

```
x is y => True
x is not y => False
x is not z => True
x is z => False
```

❖ Program: Write Python Program on if elif else statement.

```
#if elif else statement
marks=int(input("Enter your marks:"));
if marks>=75:
    print("You got distinction");
elif marks>=60:
    print("You got first class");
elif marks>=40:
    print("You are pass only");
else:
    print("You are fail");
```

OUTPUT

```
Enter your marks:89
You got distinction
```

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❖ Program: Write Python Program on if-else statement.

```
#if-else statement
a=int(input("Enter first number:"));
b=int(input("Enter second number:"));
if a==b:
    print("Both numbers are equal");
else:
    print("Both numbers are not equal");
```

OUTPUT

```
Enter first number:10
Enter second number:10
Both numbers are equal
```

❖ Program: Write Python Program on if statement.

```
#if statement
a=int(input("Enter first number:"));
b=int(input("Enter second number:"));
if a==b:
    print("Both numbers are equal");
print("Program end!!!");
```

OUTPUT

```
Enter first number:12
Enter second number:10
Program end!!!
```

❖ Program: Write Python Program on Logical Operator.

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#Logical Operator

```
print("10>5 and 10==10 Result is ",10>5 and 10==10)
print("150<50 or 15!=15 Result is",150<50 or 15!=15)
print("not(12>5) Result is",not(12>5))
```

OUTPUT

```
10>5 and 10==10 Result is True
150<50 or 15!=15 Result is False
not(12>5) Result is False
```

❖ **Program: Write Python Program on Membership Operator.**

#Membership Operator

```
x=[10,20,30,40,50]
print("10 in x =>", 10 in x);
print("10 not in x =>", 10 not in x);
print("120 in x =>", 120 in x);
print("120 not in x =>", 120 not in x);
```

OUTPUT

```
10 in x => True
10 not in x => False
120 in x => False
120 not in x => True
```

❖ **Program: Write Python Program to show the use of pass keyword.**

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```
# Program to show the use of pass keyword
numbers=[10,20,30,40,50]
for val in numbers:
```

```
    pass;
```

OUTPUT

❖ Program: Write a Python program to print Even Numbers between 1 to 20 .

```
#Write a Python program to print Even Numbers between 1 to 20
```

```
print("Even Numbers between 1 to 20:");
for x in range(1,21):
    if x%2==0:
        print(x);
```

OUTPUT

Even Numbers between 1 to 20:

```
2
4
6
8
10
12
14
16
18
```


❖ Program: Write Python Program to print ODD numbers between 1 to 20.

```
#Write a Python program to print ODD Numbers between 1 to 20
```

```
print("ODD Numbers between 1 to 20:");  
for x in range(1,21):  
    if x%2!=0:  
        print(x);
```

OUTPUT

ODD Numbers between 1 to 20:

1
3
5
7
9
11
13
15
17
19

❖ Program: Write Python Program on Range funcation.

```
#range() function in python
```

```
# Write a Python program to display "VJTech Academy" message 5 times.
```

```
for x in range(1,6):  
    print("VJTech Academy");
```

OUTPUT

VJTech Academy
VJTech Academy
VJTech Academy
VJTech Academy

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VJTech Academy

❖ Program: Write Python Program on While loop with else.

```
print("Print 1 to 5 Numbers:");  
i=1;  
while i<=5:  
    print(i);  
    i=i+1;  
else:  
    print("End of Program");
```

OUTPUT

Print 1 to 5 Numbers:

```
1  
2  
3  
4  
5  
End of Program
```

❖ Program: Program: Write Python Program on While loop.

```
#while loop: print 1 to 5 numbers  
print("Print 1 to 5 Numbers:");  
i=1  
while i<=5:  
    print(i)  
    i=i+1
```

OUTPUT

Print 1 to 5 Numbers:

```
1  
2  
3  
4  
5
```