T1934 **Set 2**

**Expressions in Python**

1. Write a Program using all the Boolean Expressions

2.Write a Program using Expression to Find Maximum of Three Numbers

3. what Is the output of this function

x = 1 + 5 \*\* (3 // 2) - 6 % 4  
 print(x)

**Function**

* What is the out put of this function

def cuber(num = 2):  
  num\_cubed = num \* num \* num  
  return num\_cubed  
  
print(cuber())    
print(cuber(3))

* Write a Program using Function to print a even number

**Conditional statements**

* What is the output of this function

x = 40  
y = 20  
z = x + y if x > y else y - x  
print(z)

* Write a program whether a person is eligible for vote or not
* Write a Python program that checks if a number is positive, negative, or zero

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Answers:

**Expressions in Python**

1. Write a Program using all the Boolean Expressions

x = 2

y = 3

print(x+y)

print(x-y)

print(x\*y)

print(x/y)

print(x%y)

print(x and y)

print(x or y)

print(x not y)

print( x & y)

print(x | y)

print(x >> y)

print(x << y)

print(x ^ y)

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Write a Program using Expression to Find Maximum of Three Numbers

ans)

x = 10

y = 20

z = 30

if(x > y || x > z):

print (" x is greater than y and z");

else:

print("x is smaller than y and z");

if(y > x || y> z)

print(" y is greater than x and z");

else:

print(" y is smaller than x and z");

if(z > x || z> y)

print(" z is greater than x and y");

else:

print(" z is smaller than x and y");

(or)

import math.py

def maximum(a, b, c)

max(a,b,c)

return max

print(maximum(2,3,5))

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3. what Is the output of this function

x = 1 + 5 \*\* (3 // 2) - 6 % 4  
 print(x)

o/p :- 4

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**Function**

What is the out put of this function

def cuber(num = 2):  
 num\_cubed = num \* num \* num  
 return num\_cubed  
  
print(cuber())   
print(cuber(3))

o/p :- 8

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Write a Program using Function to print a even number  
  
def print\_even(n):

for i in range(2, n+1, 2):

print(i)

print\_even(10)

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**Conditional statements**

What is the output of this function

x = 40  
y = 20  
z = x + y if x > y else y - x  
print(z)

o/p:- 60

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Write a program whether a person is eligible for vote or not

age = 18

if(age >= 18):

print(" You're eligible for vote")

else:

print("Sorry you're under 18 years ineligible to vote")

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Write a Python program that checks if a number is positive, negative, or zero

num = 10

if (num > 0):

print("Number is positive")

elif(num < 0):

print("Number is negative")

else:

print("Number is zero")