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8 16 Evaluate the expression (n cy) or (not (2==y)) and (2 K= N) if (a) n=0, y=6, 2=10

Ansl (0<6) or (not (10 = = 6)) and (10 < = 0) (066) or (Toue) and (False)

Ans (1(1) or (not (10==1)) and (1<=1) False or False and True

False or False

Odb Evaluate the following expressions involving anotherebie

-140+ 0.5 × 7 + 54 -140+1.0+54

- 85.0

Assoc, > Rto L 11,0% ADOC, - LtoR = 49/19%3

Roll No.	 Scholar	No.	
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=5%3 () (7-4+2) +10-25 *8/15 1)>* >1/ = (7-4+2) * 10-25 * \$ /15 = (9-8) * 10 - 20115 = (-1) \$10 - 200115 = -10- 40 = -50 (d) (hello? +2-5 And Type Error: unsupported operand type is) 836 Evaluate the following expressions involving anithmetic relational and logical operators (a) 5/10 + 10 <50 and 29>= 29 Ans logical > Relational > Arithmetic 5 1/10 + 10 (50 and 29>=29 5/10+10250 and (True) 5/10 + (True) and True) 6 and (True) = True (b) +/4 < 6 and (I am fine > (I am not fine) Any 1-35 < 6 and [I am fire > (I am not fire) Free and False [ASCII value of 'f'<(n)]

BHOPAL

(C) 7** 2 (5 119 1/3 or thye? < 1840)



Madamo Apad Wallonal Invillate of Technology, Blopal

Roll No. Scholar No.

Ans 6 49 = 5 /1 9% 8 or False False 11973 or False O or False = False (d) 10 + 6 * 2 * * 2 1 = 9 /14 - 3 and 29 > = 29/9 Analo 10+6*41=91/4-3 and True 10+241 = 9/14 - 3 and True 391 = 2-3 and Tone 341 = -1 and True True and True = True 84 Hore does the effect of following two clatements (a) X+= X+10 Here, we add (x+10) in (n) and assign value to X. If x = 1 X = X+(X+10) X = 2x+10 (b) X += 10 -> Here, we add to in x and assign value tox 10t x=1 x = x+10 X = 11 986 Differentiate between following operators with help of examples.

```
Question: 5 #_Read four digit number and print all digits sum_#
num=int(input("Enter a four digit number: "))
digit1=num%10
digit2=(num//10)%10
digit3=(num//100)%10
digit4=num//1000
 sum=(digit1+digit2+digit3+digit4)
 print("Sum of four digit number is: ",sum)
 MENARIA/OneDrive/Documents/sum of four digit no.py
 CHERRY 28282742827427427427427427427427427427427427427
 enter a no: 1254
 sum of four digit no is: 12
 Question:6 #_print three digit integer in sorted order_#
  num1=int(input("Enter first number: "))
  num2=int(input("Enter second number: "))
  num3=int(input("Enter third number: "))
  if num1<num2 and num1<num3:
    smallest=num1
    if num2<num3:
      middle=num2
      largest=num3
     else:
```

```
middle=num3
  largest=num2
elif num2snum1 and num2snum3:
 smallest<num2
 if num1<num3:
  middle=num1
  largest=num3
 else:
  middle=num3
  largest=num1
elif num3<num1 and num3<num2 :
 smallest=num3
 if num1<num2:
   middle=num1
  largest=num2
 else:
   middle=num2
   largest=num1
print("Smallest number =", smallest)
print("second higher number =", middle)
print("Highest number =", largest)
MENARIA/OneDrive/Documents/sum of four digit no.py
Enter first number: 9
Enter second number: 5
```

Enter third number: 7 Smallest number = 5 second higher number = 7 Highest number = 9 Question:7 length=int(input("Enter length of room: ")) width=int(input("Enter Width of room: ")) area=length*width print("Area of room is: ",area) MENARIA/OneDrive/Documents/sum of four digit no.py Enter length of room: 50 Enter Width of room: 30 Area of room is: 1500 #_Question9.a_# import math a=int(input("Enter value of a: ")) b=int(input("Enter value of b: ")) c=int(input("Enter value of c: "))

```
root1=((-b)+math.pow(math.pow(b,2)-(4*a*c),0.5))/(2*a)
root2=((-b)-math.pow(math.pow(b,2)-(4*a*c),0.5))/(2*a)
print("root 1 of equation is: ",root1)
print("root 2 of equation is: ",root2)
MENARIA/OneDrive/Documents/sum of four digit no.py
Enter value of a: 1
Enter value of b: -4
Enter value of c: 4
root 1 of equation is: 2.0
root 2 of equation is: 2.0
#_Question9.b_#
import math
x=int(input("Enter value of x: "))
y=int(input("Enter value of y: "))
f=2*math.cos((x+y)/2)*math.cos((x-y)/2)
print(f)
MENARIA/OneDrive/Documents/sum of four digit no.py
Enter value of x: 0
```

```
Enter value of y: 0
2.0
Question:10 #_Compute Total Time_#
days=int(input("Enter no of days: "))
hours=int(input("Enter no of hours: "))
minutes=int(input("Enter no of minutes: "))
seconds=int(input("Enter no of seconds: "))
totalTime=(days*24*3600)+(hours*3600)+(minutes*60)+seconds
print("Total timein Seconds is: ",totalTime)
 MENARIA/OneDrive/Documents/sum of four digit no.py
 Enter no of days: 1
 Enter no of hours: 4
 Enter no of minutes: 45
 Enter no of seconds: 30
 Total timein Seconds is: 103530
```

Name: Yash Raj Menaria

Python Lab Assignment 3

```
#_Lab-03 Q.1#
N=int(input("Enter number of rows: "))
space=N-1
for i in range(0,N):
 print("")
 for k in range(0,space):
   print(" ",end="")
 for j in range(0,i+1):
   print("*",end=" ")
space=space-1
========= RESTART: C:/Users/YASH
MENARIA/OneDrive/Documents/Pattern print.py
_____
Enter number of rows: 4
#_Lab-03 Q.2#
rows=int(input("Enter Number of Rows: "))
def numPrint(n):
```

```
print("1",end="")
   return
 numPrint(n-1)
 print(n,end="")
 numPrint(n-1)
#Main Code#
for i in range(1,rows+1,1):
 numPrint(i)
 print("\n")
========= RESTART: C:/Users/YASH
MENARIA/OneDrive/Documents/Pattern print 2.py
_____
Enter Number of Rows: 4
1
121
1213121
121312141213121
#_Lab-03 Q.3#
width=int(input("Enter width of Rectangle: "))
height=int(input("Enter heigth of Rectangle: "))
```

if(n==1):

```
def RectanglePrint(width,height):
  for i in range(0,width):
    print("")
    for j in range(0,height):
      if(i==0 or j==0 or i==width-1 or j==height-1):
        print("*",end="")
      else:
        print(" ",end="")
#---main code---#
RectanglePrint(height,width)
==== RESTART: C:/Users/YASH MENARIA/OneDrive/Documents/Pattern print 3.py =====
Enter width of Rectangle: 5
Enter heigth of Rectangle: 3
****
#Lab-03 Q.4_#
rows=int(input("Enter No. of Rows: "))
for i in range(1, rows + 1):
  for j in range(rows - i ,0,-1):
    print(" ", end="")
```

```
for k in range(1, 2 * i):
    if k == 1 or k == 2 * i - 1:
      print("*", end="")
    else:
      print(" ", end="")
  print()
for i in range(rows - 1, 0, -1):
  for j in range(1, rows - i + 1):
    print(" ", end="")
  for k in range(1, 2 * i):
    if k == 1 or k == 2 * i - 1:
      print("*", end="")
    else:
      print(" ", end="")
  print()
==== RESTART: C:/Users/YASH MENARIA/OneDrive/Documents/Pattern Print 4.py =====
Enter No. of Rows: 6
```