

Daily task of Day-4 of Python Internship

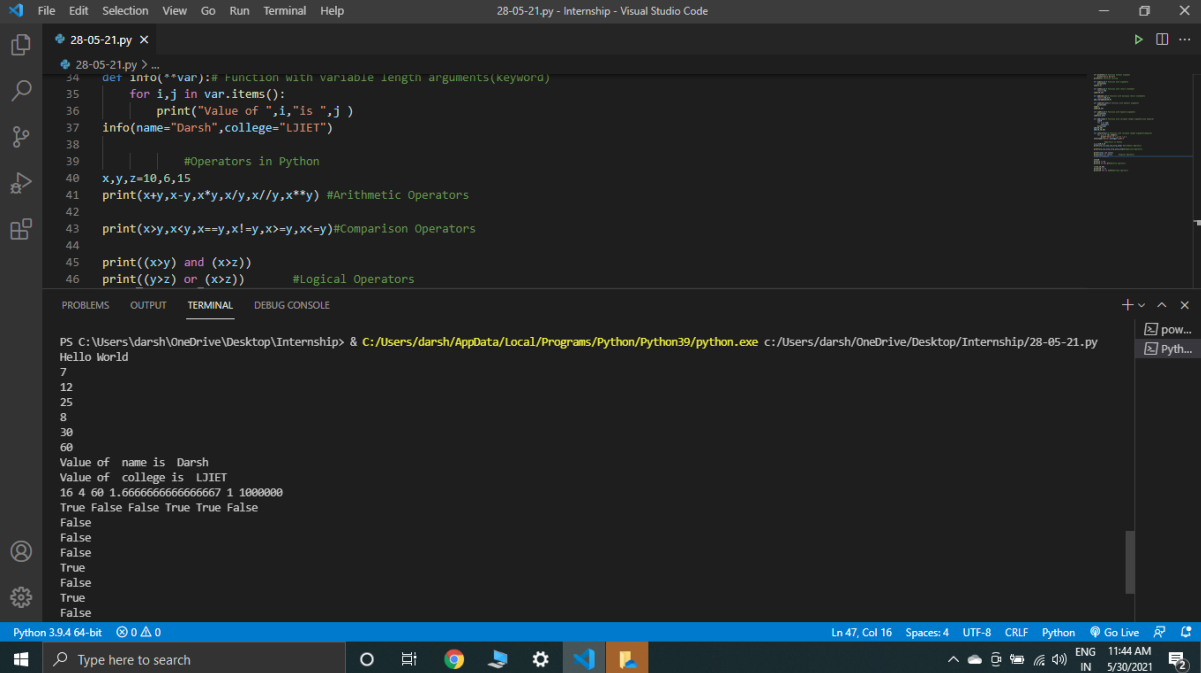
Code:

```
File Edit Selection View Go Run Terminal Help 28-05-21.py - Internship - Visual Studio Code
28-05-21.py x
28-05-21.py > ...
1 def printst():# Function without argument
2     print("Hello World")
3 printst()# Function calling
4
5 def sum1(a,b):# Function with arguments
6     print(a+b)
7     sum1(3,4)
8
9 def sum2(a,b):# Function with return statement
10    return a+b
11    sum2(10,19)
12
13 def addsub(a,b):# Function with multiple return statements
14    return a+b,a-b
15    add,sub=addsub(20,9)
16
17 def sum3(a=5,b=7):# Function with default arguments
18    print(a+b)
19    sum3()
20    sum3(10,15)
21
22 def sum4(a,b):# Function with keyword arguments
23    print(a+b)
24    sum4(b=3,a=5)
25
26 def add(*num):# Function with variable length arguments(non keyword)
27    sum=0
28    for i in num:
29        sum=sum+i
30    print(sum)
31    add(10,20)
32    add(10,20,30)
33
Python 3.9.4 64-bit 0 0 0 Ln 55, Col 40 Spaces: 4 UTF-8 CRLF Python Go Live
```

```
File Edit Selection View Go Run Terminal Help 28-05-21.py - Internship - Visual Studio Code
28-05-21.py x
28-05-21.py > ...
34 def info(**var):# Function with variable length arguments(keyword)
35     for i,j in var.items():
36         print("Value of ",i,"is ",j )
37     add(name="Darsh",college="LJTIET")
38
39     #Operators in Python
40     x,y,z=10,6,15
41     print(x+y,x-y,x*y,x/y,x//y,x**y) #Arithmetic Operators
42
43     print(x>y,x<y,x==y,x!=y,x>=y,x<=y)#Comparison Operators
44
45     print((x>y) and (x>z))
46     print((y>z) or (x>z)) #Logical Operators
47     print(not(x>y))
48
49     a=b=20
50     print(a is b)
51     print(a is not b)#Identity operators
52
53     l=[10,20,30]
54     print(10 in l)
55     print(20 not in l)#Membership operators

```

Output:



The screenshot shows a Visual Studio Code window with a Python file named '28-05-21.py'. The code defines a function 'info' with variable-length arguments, prints values from a dictionary, and demonstrates various Python operators (arithmetic, comparison, and logical). The terminal output shows the execution results, including the function call, dictionary iteration, and the results of the operator tests.

```
28-05-21.py
34 def info(**var):# Function with variable length arguments(keyword)
35     for i,j in var.items():
36         print("Value of ",i,"is ",j )
37 info(name="Darsh",college="LJTIET")
38
39     #Operators in Python
40 x,y,z=10,6,15
41 print(x+y,x-y,x*y,x/y,x//y,x**y) #Arithmetic Operators
42
43 print(x>y,x<y,x==y,x!=y,x>=y,x<=y)#Comparison Operators
44
45 print((x>y) and (x>z))
46 print((y>z) or (x>z))           #Logical Operators
```

Terminal Output:

```
PS C:\Users\darsh\OneDrive\Desktop\Internship> C:\Users\darsh\AppData\Local\Programs\Python\Python39\python.exe c:/Users/darsh/OneDrive/Desktop/Internship/28-05-21.py
Hello World
7
12
25
8
30
60
Value of name is Darsh
Value of college is LJTIET
16 4 60 1.6666666666666667 1 1800000
True False False True True False
False
False
True
False
True
False
```