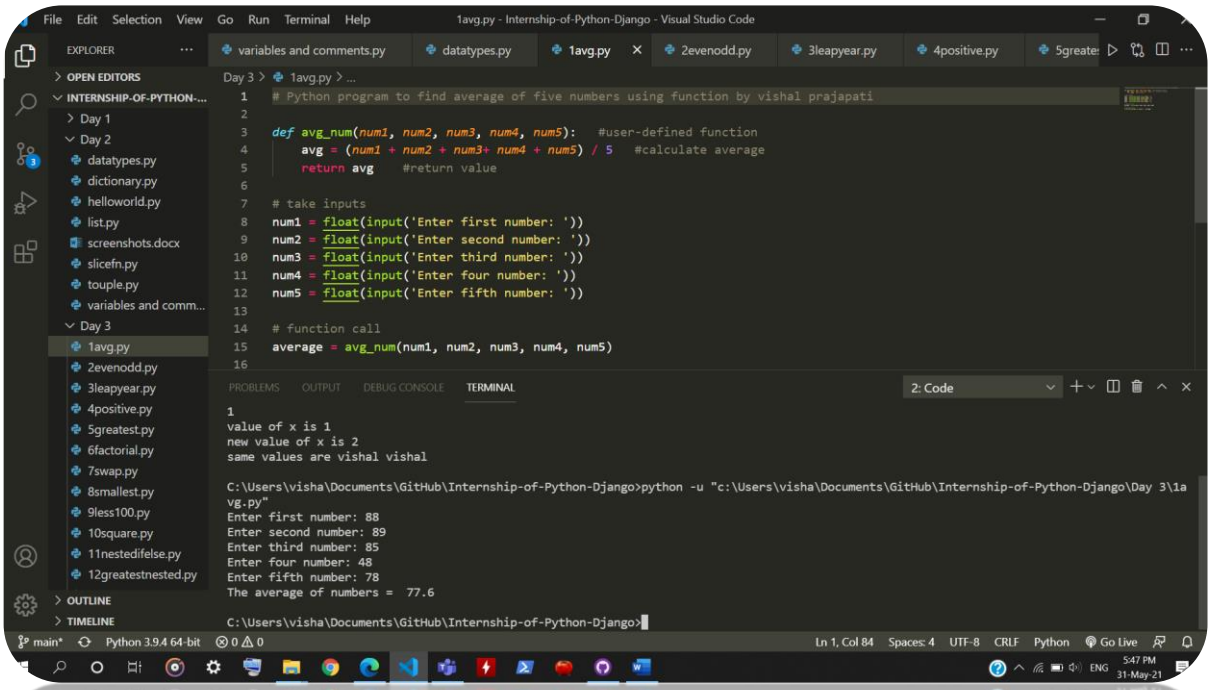
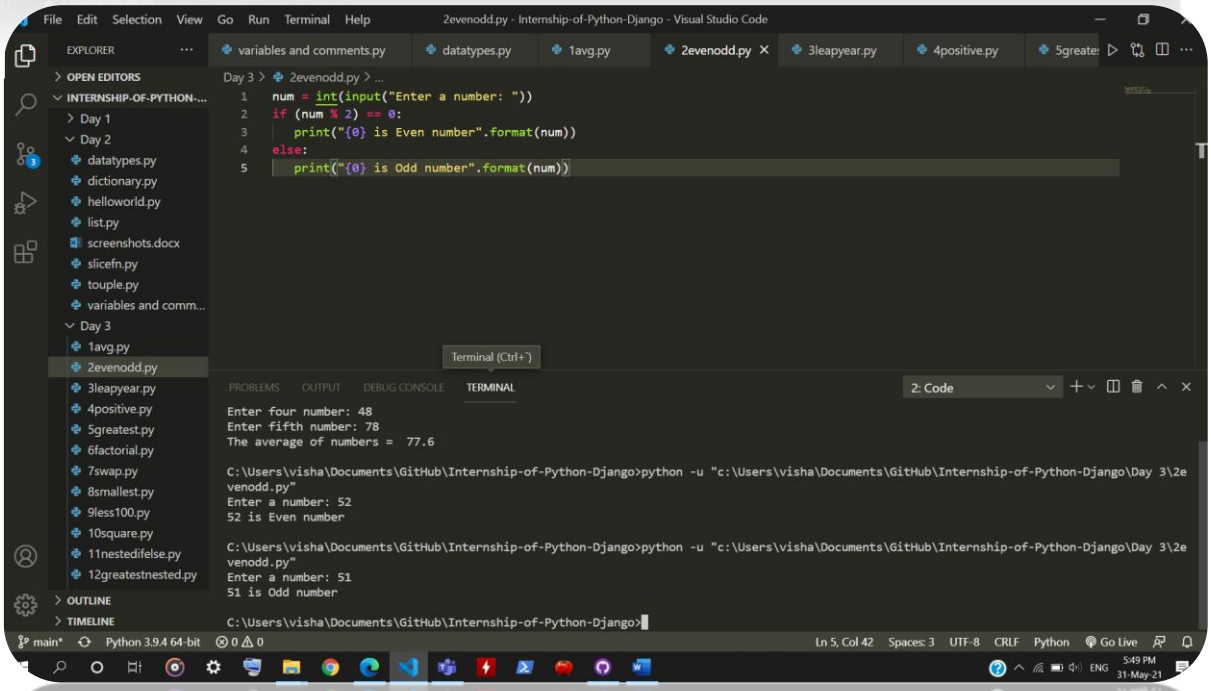
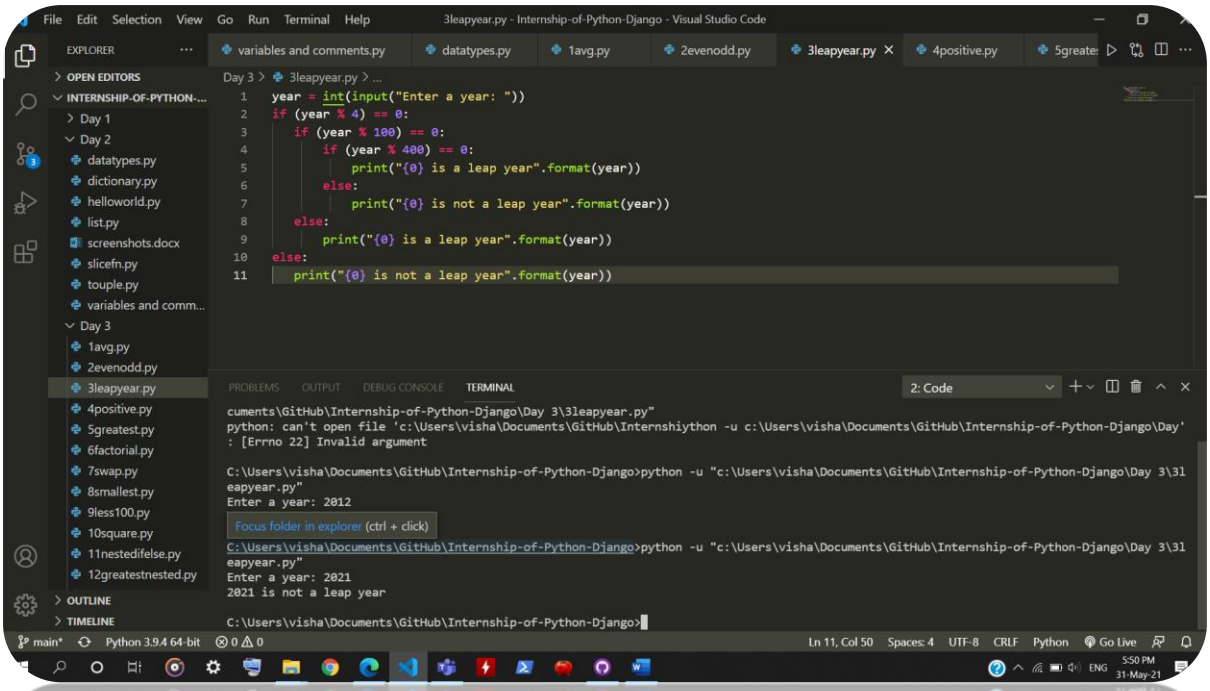
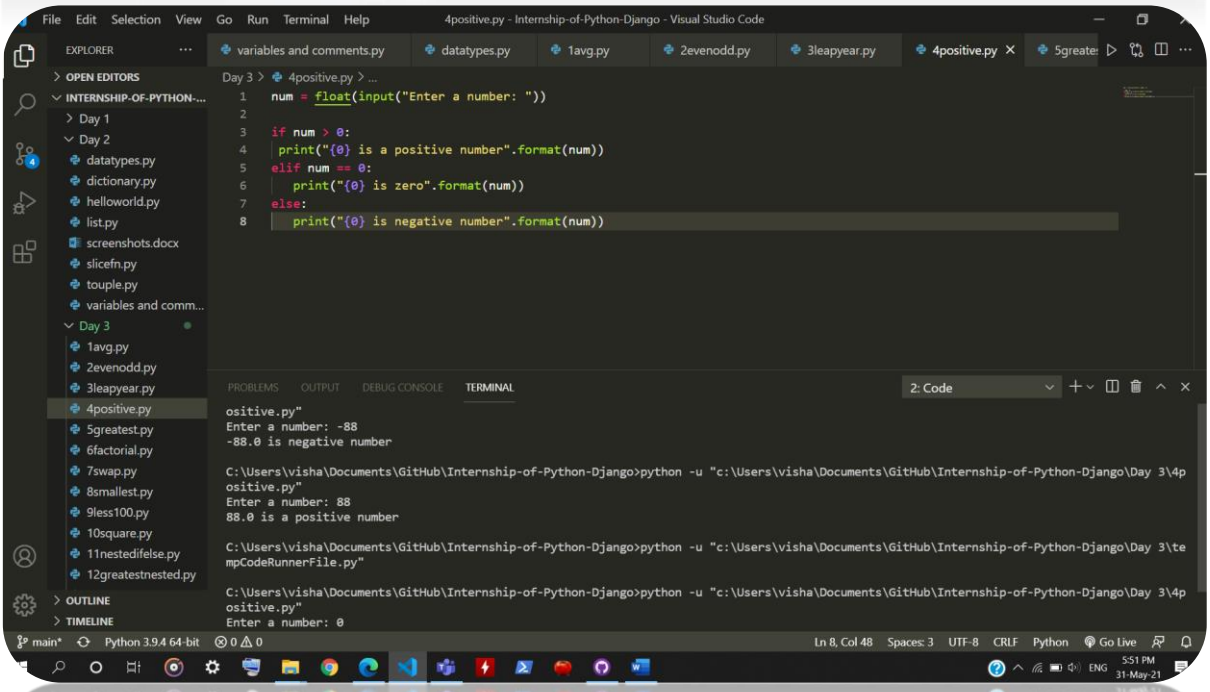
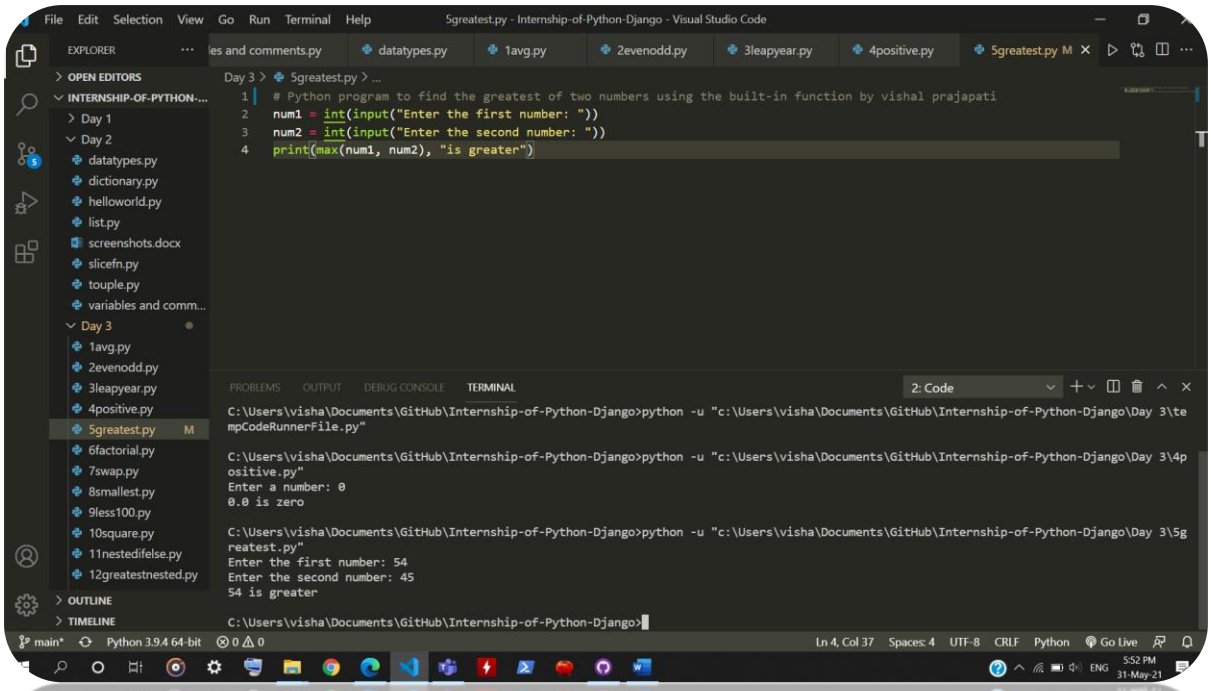
Task of day3: here is some general python programs to understand the basics of functions of python.






3leapyear.py - Internship-of-Python-Django - Visual Studio Code
year = int(input("Enter a year: "))
if (year % 4) == 0:
if (year % 100) == 0:
if (year % 400) == 0:
print("{0} is a leap year".format(year))
else:
print("{0} is not a leap year".format(year))
else:
print("{0} is a leap year".format(year))
else:
print("{0} is not a leap year".format(year))
Enter a year: 2012
2012 is a leap year
Enter a year: 2021
2021 is not a leap year


4positive.py - Internship-of-Python-Django - Visual Studio Code
num = float(input("Enter a number: "))
if num > 0:
print("{0} is a positive number".format(num))
elif num == 0:
print("{0} is zero".format(num))
else:
print("{0} is negative number".format(num))
Enter a number: -88
-88.0 is negative number
Enter a number: 88
88.0 is a positive number
Enter a number: 0


File Edit Selection View Go Run Terminal Help
5greatest.py - Internship-of-Python-Django - Visual Studio Code
EXPLORER
OPEN EDITORS
INTERNSHIP-OF-PYTHON-...
Day 1
Day 2
datatypes.py
dictionary.py
helloworld.py
list.py
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slicefn.py
touple.py
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Day 3
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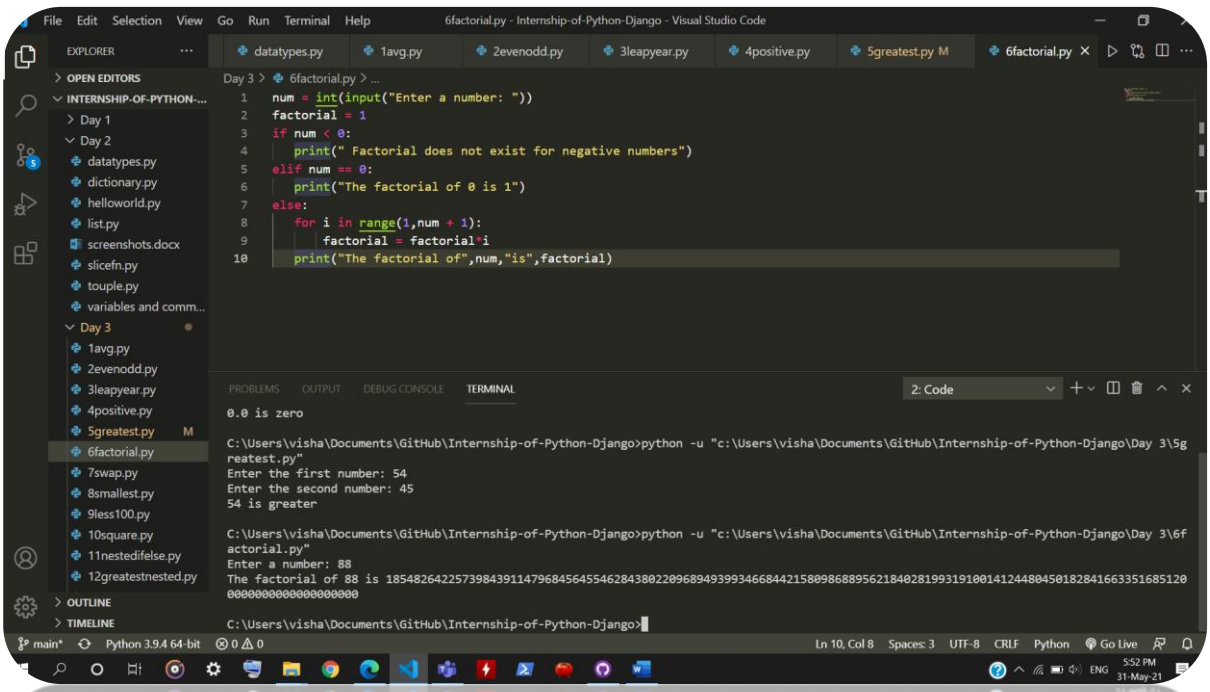
2evenodd.py
3leapyear.py
4positive.py
5greatest.py M
6factorial.py
7swap.py
8smallest.py
9less100.py
10square.py
11nestedifelse.py
12greatestnested.py
OUTLINE
TIMELINE
datatypes.py
1avg.py
2evenodd.py
3leapyear.py
4positive.py
5greatest.py M
Day 3 > 5greatest.py > ...
1 # Python program to find the greatest of two numbers using the built-in function by vishal prajapati
2 num1 = int(input("Enter the first number: "))
3 num2 = int(input("Enter the second number: "))
4 print(max(num1, num2), "is greater")
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
2: Code
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\tempCodeRunnerFile.py"
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\4positive.py"
Enter a number: 0
0.0 is zero
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\5greatest.py"
Enter the first number: 54
Enter the second number: 45
54 is greater
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>
main* Python 3.9.4 64-bit
Ln 4, Col 37 Spaces: 4 UTF-8 CRLF Python Go Live
ENG 5:52 PM 31-May-21


File Edit Selection View Go Run Terminal Help
6factorial.py - Internship-of-Python-Django - Visual Studio Code
EXPLORER
OPEN EDITORS
INTERNSHIP-OF-PYTHON-...
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9less100.py
10square.py
11nestedifelse.py
12greatestnested.py
OUTLINE
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datatypes.py
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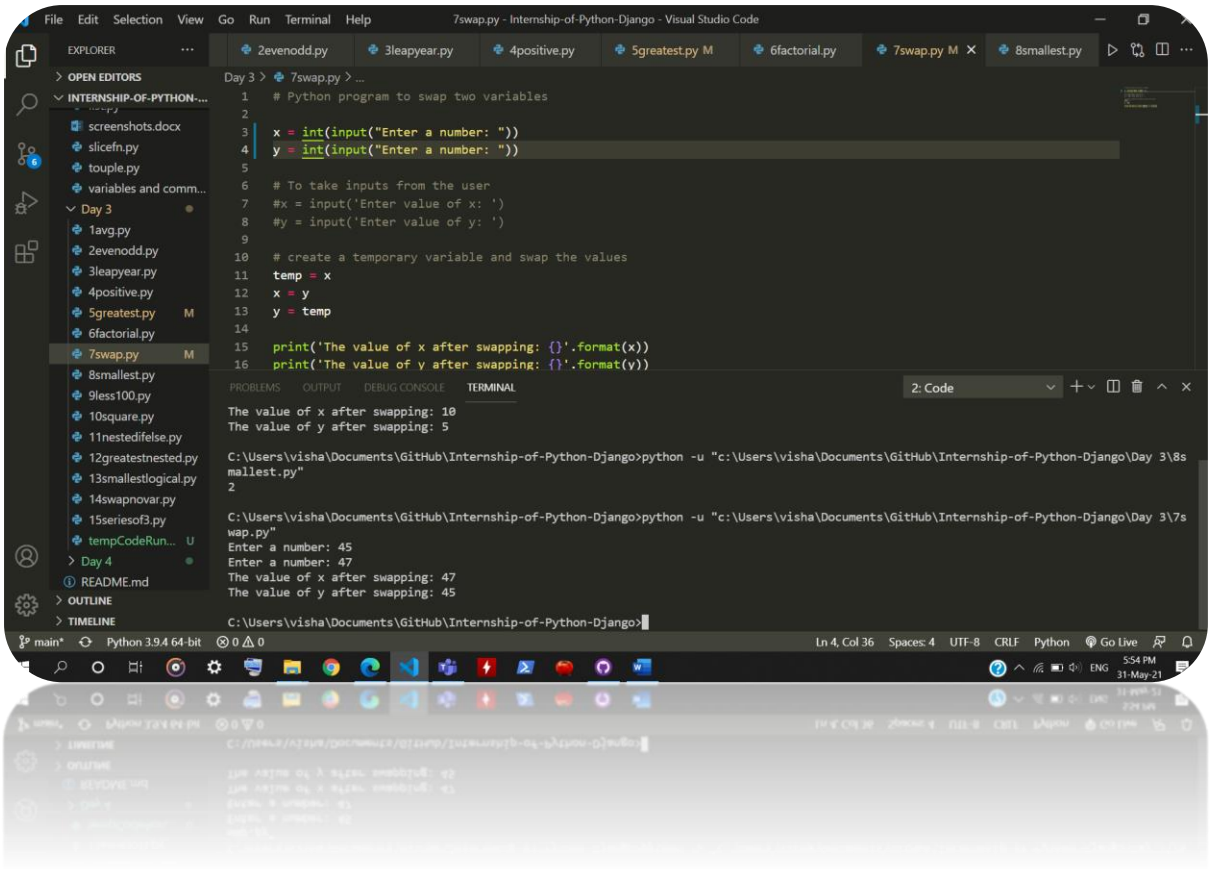
2evenodd.py
3leapyear.py
4positive.py
5greatest.py M
6factorial.py
Day 3 > 6factorial.py > ...
1 num = int(input("Enter a number: "))
2 factorial = 1
3 if num < 0:
4 print(" Factorial does not exist for negative numbers")
5 elif num == 0:
6 print("The factorial of 0 is 1")
7 else:
8 for i in range(1,num + 1):
9 factorial = factorial*i
10 print("The factorial of",num,"is",factorial)
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
2: Code
0.0 is zero
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\5greatest.py"
Enter the first number: 54
Enter the second number: 45
54 is greater
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\6factorial.py"
Enter a number: 88
The factorial of 88 is 185482642257398439114796845645546284380220968949399346684421580986889562184028199319100141244804501828416633516851200000000000000000000
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>
main* Python 3.9.4 64-bit
Ln 10, Col 8 Spaces: 3 UTF-8 CRLF Python Go Live
ENG 5:52 PM 31-May-21


File Edit Selection View Go Run Terminal Help
7swap.py - Internship-of-Python-Django - Visual Studio Code
EXPLORER
OPEN EDITORS
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screenshots.docx
slicefn.py
touple.py
variables and comm...
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4positive.py
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6factorial.py
7swap.py M
8smallest.py
9less100.py
10square.py
11nestedifelse.py
12greatestnested.py
13smallestlogical.py
14swapnovar.py
15seriesof3.py
tempCodeRun... U
Day 4
README.md
OUTLINE
TIMELINE
2evenodd.py
3leapyear.py
4positive.py
5greatest.py M
6factorial.py
7swap.py M
8smallest.py
Day 3 > 7swap.py > ...
# Python program to swap two variables
x = int(input("Enter a number: "))
y = int(input("Enter a number: "))
# To take inputs from the user
#x = input('Enter value of x: ')
#y = input('Enter value of y: ')
# create a temporary variable and swap the values
temp = x
x = y
y = temp
print('The value of x after swapping: {}'.format(x))
print('The value of y after swapping: {}'.format(y))
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
2: Code
The value of x after swapping: 10
The value of y after swapping: 5
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\8smallest.py"
2
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>python -u "c:\Users\visha\Documents\GitHub\Internship-of-Python-Django\Day 3\7swap.py"
Enter a number: 45
Enter a number: 47
The value of x after swapping: 47
The value of y after swapping: 45
C:\Users\visha\Documents\GitHub\Internship-of-Python-Django>
main* Python 3.9.4 64-bit 0 0
Ln 4, Col 36 Spaces: 4 UTF-8 CRLF Python Go Live
ENG 5:54 PM 31-May-21