

PYTHON DAY 1 ASSIGNMENT

Name: Tanvi Kulkarni

Code:

Part1 (1)

def Operator():

floatNum=12.5

intNum=5

print("Part1 (1) Output")

#Addition

print(floatNum+intNum)

#Subtraction

print(floatNum-intNum)

#Multiplication

print(floatNum*intNum)

#Division

print(floatNum/intNum)

Operator()

Part1 (2)

def OperatorWithTypeCast():

floatNum=12.5

intNum=5

#Type casting

newIntNum=int(floatNum)

newFloatNum=float(intNum)

print("\nPart1 (2) Output")

```
#Addition
```

```
print(newFloatNum+newIntNum)
```

```
#Subtraction
```

```
print(newIntNum-newFloatNum)
```

```
#Multiplication
```

```
print(newFloatNum*newIntNum)
```

```
#Division
```

```
print(newIntNum/newFloatNum)
```

```
OperatorWithTypeCast()
```

```
#Part2 (1)
```

```
def StringToInteger():
```

```
    strNum="123"
```

```
    ans=int(strNum)
```

```
    print("\nPart2 (1) Output")
```

```
    print(type(ans),":",ans)
```

```
StringToInteger()
```

```
#Part2 (2)
```

```
def ValidateAge(age):
```

```
    print("\nPart2 (2) Output")
```

```
    if(age<18):
```

```
        print(age," : Minor")
```

```
    else:
```

```
        print(age," : Adult")
```

```
ValidateAge(18)
```

```
#Part3
```

```
def FlowControl():
```

```
    print("\nPart3 Output")
```

```
    try:
```

```
        num=int(input("Enter the number: "))
```

```
        if(num>10):
```

```
            print("Number greater than 10")
```

```
        elif(num<10):
```

```
            print("Number less than 10")
```

```
        else:
```

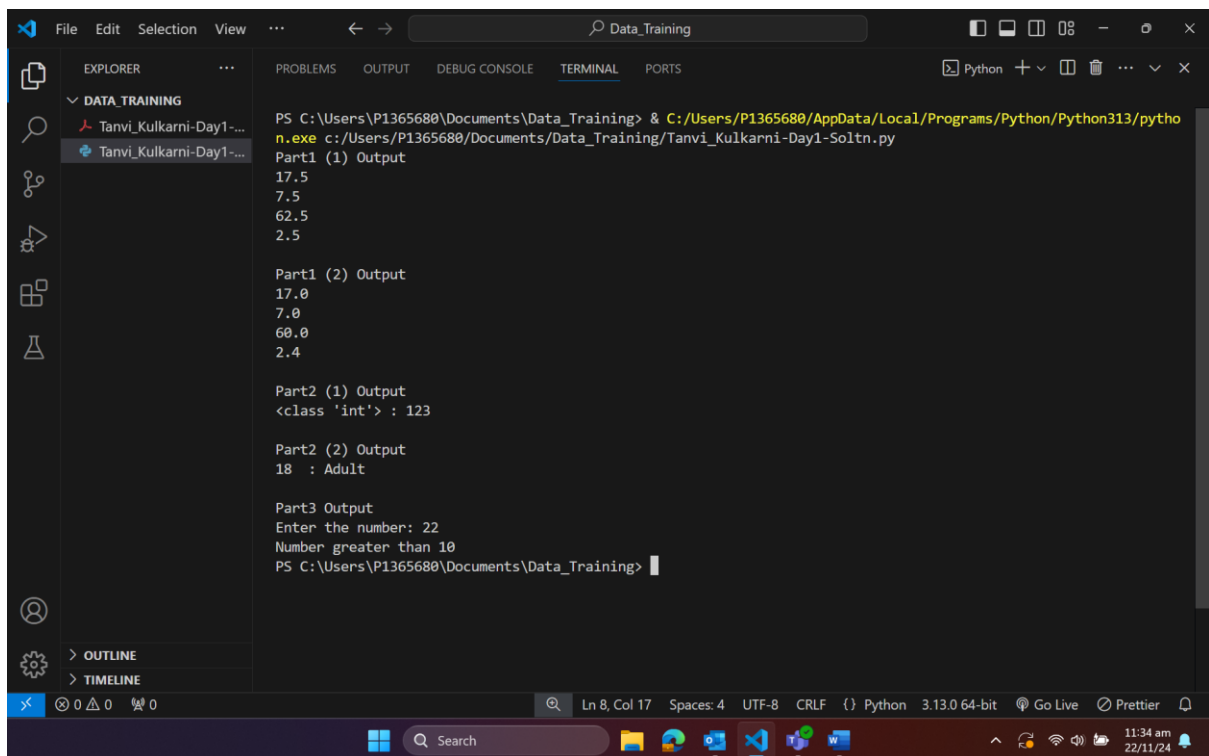
```
            print("Number is equal to 10")
```

```
    except ValueError:
```

```
        print("Invalid input! Please enter a valid number.")
```

```
FlowControl()
```

Output:



```
PS C:\Users\P1365680\Documents\Data_Training> & C:/Users/P1365680/AppData/Local/Programs/Python/Python313/python.exe c:/Users/P1365680/Documents/Data_Training/Tanvi_Kulkarni-Day1-Soltn.py
Part1 (1) Output
17.5
7.5
7.5
62.5
2.5

Part1 (2) Output
17.0
7.0
60.0
2.4

Part2 (1) Output
<class 'int'> : 123

Part2 (2) Output
18 : Adult

Part3 Output
Enter the number: 22
Number greater than 10
PS C:\Users\P1365680\Documents\Data_Training>
```