**Name:** Muhammad Hussain

**Class:** BSIT-3A

**Section:** A

**Lab Title:**  Artificial Intelligence

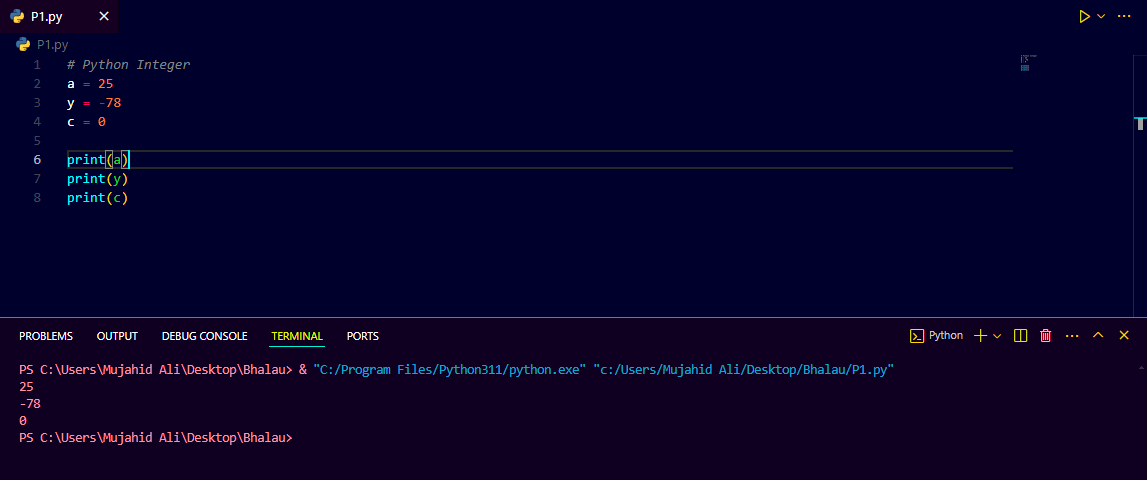
**Instructor:** Madam Aqsa Umar

**Objectives 01: Make 2 Programs on each data type.**

**01. Numeric Types:**

**-Int**

# Python Integer  
a = 25  
y = -78  
c = 0  
  
print(a)   
print(y)    
print(c)

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*# Addition Operation +*

addition = 8 + 3

print("Addition:", addition)

*# Subtraction operation -*

subtraction = 9 - 4

print("Subtraction:", subtraction)

*# Multiplication operation \**

multiplication = 10 \* 2

print("Multiplication:", multiplication)

*# Division operation /*

division = 10 / 6

print("Division:", division)

*# Integer Division operation //*

integer\_division = 10 // 2

print("Integer Division:", integer\_division)

*# Modulus operation %*

modulus = 10 % 5

print("Modulus:", modulus)

*# Exponentiation operation \*\**

exponentiation = 2 \*\* 6

print("Exponentiation:", exponentiation)



-**Flaot**

b = 2.47

y = -0.1

k = 5.0

print(b)

print(y)

print(k)



**Sequence Type:**

*# List creation*

the\_list = [1, 2, 4, 5]

*# creating a mixed data list*

multiple\_data\_list = [1, 'hi', 2.57, False]

print(the\_list[0])

print(multiple\_data\_list[2])

*# Mutable feature of list*

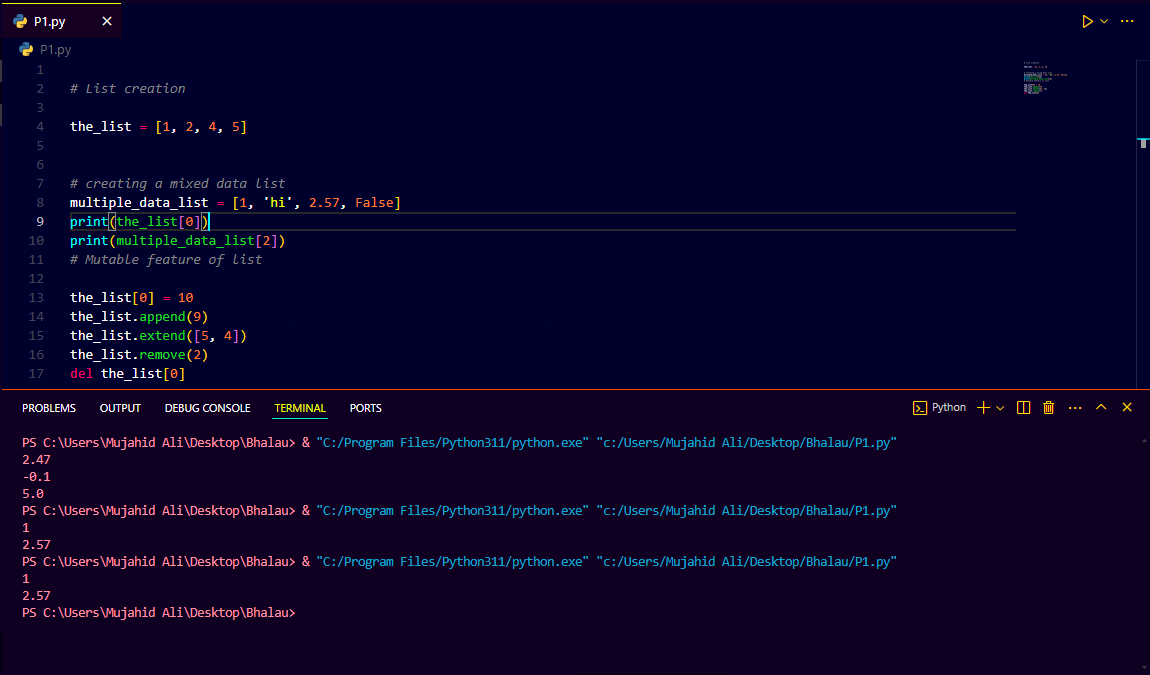
the\_list[0] = 10

the\_list.append(9)

the\_list.extend([5, 4])

the\_list.remove(2)

del the\_list[0]

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