# Obtaining two numbers from the user, adding them together and displaying the result:

IPO:

Input: Two numbers

Process: Add the two numbers together

Output: Display the result of the addition

Pseudocode:

Start

PROMPT the user to enter the first number

GET num1

PROMPT the user to enter the second number

GET num2

CALCULATE result = num1 + num2

DISPLAY the result

End

print("enter num1: ")

Num1 = int(input())

print("enter num2: ")

Num2 = int(input())

result = Num1 + Num2

print(result)

# Obtaining three numbers from the user, determining and displaying their average:

IPO:

Input: Three numbers

Process: Calculate the average of the three numbers

Output: Display the average

Pseudocode:

Start

PROMPT the user to enter the first number

GET num1

PROMPT the user to enter the second number

GET num2

PROMPT the user to enter the third number

GET num3

CALCULATE average = (num1 + num2 + num3) / 3

DISPLAY the average

End

Num1 = int(input("enter num1: "))

Num2 = int(input("enter num2: "))

Num3 = int(input("enter num3: "))

average = (Num1 + Num2 + Num3) / 3

print(average)

print(type(average))

# Assume a menu of 2 items (each with a pre-set price). For each item, the user is asked how many of that item they want. The final cost of the order is then displayed:

IPO:

Input: Quantity of each item

Process: Calculate the total cost based on the quantity of each item and their prices

Output: Display the total cost of the order

Pseudocode:

Start

SET apple = 5

SET banana = 10

PROMPT the user to enter the quantity of apple

GET qtyapple

PROMPT the user to enter the quantity of banana

GET qtybanana

CALCULATE total\_cost = (qtyapple \* apple) + (qtybanana \* banana)

DISPLAY total\_cost

End

apple = 5

banana = 10

qapple = int(input("Enter the number of apple: "))

qbanana = int(input("Enter the number of banana: "))

totalcost = ((apple \* qapple) + (qbanana \* banana))

print(totalcost)