**IPO chart:**

|  |  |  |
| --- | --- | --- |
| Input: | Processing: | Output: |
| quantity: Quantity of the item (user input).  unitPrice: Unit price of the item (user input). | calculateTotalAndTax(quantity, unitPrice): A function that takes quantity and unitPrice as input, calculates the total (quantity \* unitPrice) and tax (7% of total), and updates the global variables total and tax. | total: The calculated total (quantity \* unitPrice).  tax: The calculated tax (7% of total). |

**Code:**

total = 0.0

tax = 0.0

def calculateTotalAndTax(quantity, unitPrice):

global total, tax

total = quantity \* unitPrice

tax = 0.07 \* total

def main():

quantity = int(input("Enter quantity of the item: "))

unitPrice = float(input("Enter unit price of the item: "))

calculateTotalAndTax(quantity, unitPrice)

print("\nCalculated Results:")

print(f"Total: ${total:.2f}")

print(f"Tax (7% of Total): ${tax:.2f}")

if \_\_name\_\_ == "\_\_main\_\_":

main()