**Решение для задачи 1:**

small\_bottle\_price = 0.10 # Price of a small bottle (in dollars)

large\_bottle\_price = 0.25 # Price of a large bottle (in dollars)

# Asking the user for the quantity of bottles of each size

small\_bottles\_quantity = int(input("Enter the number of bottles (1 liter or less): "))

large\_bottles\_quantity = int(input("Enter the number of bottles (more than 1 liter): "))

# Calculating the sum

sum\_of\_all\_bottles = (small\_bottles\_quantity \* small\_bottle\_price) + (large\_bottles\_quantity \* large\_bottle\_price)

# Displaying the calculation of a sum

print(f"{sum\_of\_all\_bottles}$")

**Решение для задачи 2:**

# Prompting the user to enter the total order amount in the restaurant

order\_sum = float(input("Enter the total amount for your restaurant order: "))

# Defining tax rates

vat\_rate = 0.12 # VAT rate in Uzbekistan (12%)

service\_tax = 0.18 # Service tax rate in the restaurant (tip for the waiter)

# Calculating VAT and service tax based on the order amount

calc\_vat\_rate = vat\_rate \* order\_sum

calc\_service\_tax = service\_tax \* order\_sum

# Calculating the final amount including VAT and service tax

total\_amount = order\_sum + calc\_vat\_rate + calc\_service\_tax

# Displaying calculated tax amounts and the final bill

print(f"VAT: {calc\_vat\_rate}") # Output VAT amount

print(f"service tax: {calc\_service\_tax}") # Output service tax amount

print(f"total amount: {total\_amount}") # Output total amount including taxes

**Решение для задачи 3:**

**# Prompting the user to enter the natural number**

**n = int(input("Enter a number to calculate natural numbers from 1 to your input: "))**

**# Calculating the sum using the formula**

**sum\_natural = (n \* (n + 1)) // 2 # Integer division for accuracy**

**print(f"The sum of the first {n} positive numbers is: {sum\_natural}")**

**Решение для задачи 4:**

**# Prompting the user to enter the souvenir and trinket quanty**

**souvenir\_quantity = int(input("Enter the quantity of souvenirs to calculate the total weight: "))**

**trinket\_quantity = int(input("Enter the quantity of trinkets to calculate the total weight: "))**

**# Souvenir and trinket weight**

**souvenir\_weight = 75**

**trinket\_weight = 112**

**# Calculating total weight**

**total\_weight = (souvenir\_quantity \* souvenir\_weight) + (trinket\_quantity \* trinket\_weight)**

**# Printing the result**

**print(f"The total weight is: {total\_weight}g")**