1. **Create a function named calculate\_discount(price, discount\_percent) that calculates the final price after applying a discount. The function should take the original price (price) and the discount percentage (discount\_percent) as parameters. If the discount is 20% or higher, apply the discount; otherwise, return the original price.**

def calculate\_discount(price, discount\_percent):

# Check if the discount percent is 20% or higher

if discount\_percent >= 20:

# Calculate the discount amount

discount\_amount = price \* (discount\_percent / 100)

# Calculate the final price after applying the discount

final\_price = price - discount\_amount

return final\_price

else:

# Return the original price if discount is less than 20%

return price

1. **Using the calculate\_discount function, prompt the user to enter the original price of an item and the discount percentage. Print the final price after applying the discount, or if no discount was applied, print the original price.**

def calculate\_discount(price, discount\_percent):

# Check if the discount percent is 20% or higher

if discount\_percent >= 20:

# Calculate the discount amount

discount\_amount = price \* (discount\_percent / 100)

# Calculate the final price after applying the discount

final\_price = price - discount\_amount

return final\_price

else:

# Return the original price if discount is less than 20%

return price

# Prompt the user for input

try:

# Get user input

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

discount\_percent = float(input("Enter the discount percentage: "))

# Calculate the final price

final\_price = calculate\_discount(price, discount\_percent)

# Print the final price

print(f"The final price after applying the discount is: ${final\_price:.2f}")

except ValueError:

print("Please enter valid numerical values for price and discount percentage.")