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Program 2: Order Total Amount Calculation

# Input
price = float(input("Enter item price: "))
quantity = int(input("Enter quantity: "))
customer_type = input("Enter customer type (Regular/Premium/New): ")
distance = float(input("Enter delivery distance (km): "))
payment_mode = input("Enter payment mode (UPI/Credit/COD): ")

# 1. Item Total
item_total = price * quantity

# 2. Discount based on customer type
if customer_type.lower() == "premium":
    discount = item_total * 0.10
elif customer_type.lower() == "regular":
    discount = item_total * 0.05
else:
    discount = item_total * 0.02

after_discount = item_total - discount

# 3. Distance charge
if distance <= 5:
    distance_charge = 20
elif distance <= 10:
    distance_charge = 40
else:
    distance_charge = 60

# 4. Payment mode charge
if payment_mode.lower() == "credit":
    payment_charge = after_discount * 0.02
elif payment_mode.lower() == "cod":
    payment_charge = 30
else:
    payment_charge = 0

# Final Amount
final_amount = after_discount + distance_charge + payment_charge

# Output
print("\n----- BILL DETAILS -----")
print("Item Total:", item_total)
print("Discount:", discount)
print("After Discount:", after_discount)
print("Distance Charge:", distance_charge)
print("Payment Charge:", payment_charge)
print("Final Amount:", final_amount)
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