

## Test case

### Input:

Enter number of consumers: 3

Processing Consumer 1

Consumer ID: C001

Units Consumed: 680

Connection Type (1=Domestic, 2=Commercial): 1

Processing Consumer 2

Consumer ID: C002

Units Consumed: 450

Connection Type (1=Domestic, 2=Commercial): 2

Processing Consumer 3

Consumer ID: C003

Units Consumed: 270

Connection Type (1=Domestic, 2=Commercial): 2

### Output:

Processing Consumer 1

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Consumer ID: C001

Units Consumed: 680

Connection Type: Domestic  
Base Charge: 1850.00  
Surcharge: 55.50  
Penalty: 200  
Discount: 105.28  
Final Bill : 2000.22

Processing Consumer 2

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Consumer ID: C002  
Units Consumed: 450  
Connection Type: Commercial  
Base Charge: 2625.00  
Surcharge: 78.75  
Penalty: 0  
Discount: 135.19  
Final Bill : 2568.56

Processing Consumer 3

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Consumer ID: C003  
Units Consumed: 270  
Connection Type: Commercial  
Base Charge: 1455.00  
Surcharge: 43.65  
Penalty: 0  
Discount: 0.00  
Final Bill : 1498.65

## SUMMARY

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Total Consumers : 3  
Total Revenue : 6067.44  
Highest Bill : C002 → 2568.56  
Domestic : 1  
Commercial : 2

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