

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

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

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

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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