SAMPLE RUN 1

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

Shop is not set up yet!

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Shop is not set up yet!

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 4

Shop is not set up yet!

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 1

Enter the number of items for the shop:

SAMPLE RUN 2

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 1

Enter the number of items for the shop: 3

Enter the name of the 1st product: alpha

Enter the per package price of alpha: 10

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for alpha, or 0 if no Special Discount offered: 3

Enter the name of the 2nd product: beta

Enter the per package price of beta: 20

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for beta, or 0 if no Special Discount offered: 0

Enter the name of the 3rd product: gamma

Enter the per package price of gamma: 30

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for gamma, or 0 if no Special Discount offered: 4

Enter the dollar amount to qualify for Additional Discount (or 0 if none offered): 100

Enter the Additional Discount rate (e.g., 0.1 for 10%): 3

Invalid input. Enter a value > 0 and <= 0.5: 0

Invalid input. Enter a value > 0 and <= 0.5: .5

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

You have not bought anything!

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 4

You have not bought anything!

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Enter the number of alpha packages to buy: 10

Enter the number of beta packages to buy: 0

Enter the number of gamma packages to buy: 20

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

10 packages of alpha @ $10.0 per pkg = $100.0

20 packages of gamma @ $30.0 per pkg = $600.0

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 4

Original Sub Total: $700.0

Special Discounts: -$140.0

New Sub Total: $560.0

Additional 50.0% Discount: -$280.0

Final Sub Total: $280.0

Thanks for coming!

Would you like to re-run (1 for yes, 0 for no)? 0

SAMPLE RUN 3

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 1

Enter the number of items for the shop: 3

Enter the name of the 1st product: spaghetti

Enter the per package price of spaghetti: 10

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for spaghetti, or 0 if no Special Discount offered: 1

Enter the name of the 2nd product: beta

Enter the per package price of beta: 20

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for beta, or 0 if no Special Discount offered: 2

Enter the name of the 3rd product: gamma

Enter the per package price of gamma: 30

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for gamma, or 0 if no Special Discount offered: 3

Enter the dollar amount to qualify for Additional Discount (or 0 if none offered): 0

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Enter the number of spaghetti packages to buy: 0

Enter the number of beta packages to buy: 0

Enter the number of gamma packages to buy: 0

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

No items were purchased.

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Enter the number of spaghetti packages to buy: 1

Enter the number of beta packages to buy: 1

Enter the number of gamma packages to buy: 1

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

1 packages of spaghetti @ $10.0 per pkg = $10.0

1 packages of beta @ $20.0 per pkg = $20.0

1 packages of gamma @ $30.0 per pkg = $30.0

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 4

Original Sub Total: $60.0

No Special Discounts applied

New Sub Total: $60.0

You did not qualify for an Additional Discount

Final Sub Total: $60.0

Thanks for coming!

Would you like to re-run (1 for yes, 0 for no)? 1

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Shop is not set up yet!

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 1

Enter the number of items for the shop: 2

Enter the name of the 1st product: gamma

Enter the per package price of gamma: 40

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for gamma, or 0 if no Special Discount offered: 4

Enter the name of the 2nd product: delta

Enter the per package price of delta: 50

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for delta, or 0 if no Special Discount offered: 5

Enter the dollar amount to qualify for Additional Discount (or 0 if none offered): 200

Enter the Additional Discount rate (e.g., 0.1 for 10%): .3

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Enter the number of gamma packages to buy: -4

Invalid input. Enter a value >= 0: -2

Invalid input. Enter a value >= 0: 12

Enter the number of delta packages to buy: -5

Invalid input. Enter a value >= 0: 15

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 1

Enter the number of items for the shop: 3

Enter the name of the 1st product: gamma

Enter the per package price of gamma: 11.5

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for gamma, or 0 if no Special Discount offered: 4

Enter the name of the 2nd product: delta

Enter the per package price of delta: 14.43

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for delta, or 0 if no Special Discount offered: 5

Enter the name of the 3rd product: epsilon

Enter the per package price of epsilon: 2.25

Enter the number of packages ('x') to qualify for Special Discount (buy 'x' get 1 free)

for epsilon, or 0 if no Special Discount offered: 100

Enter the dollar amount to qualify for Additional Discount (or 0 if none offered): .25

Enter the Additional Discount rate (e.g., 0.1 for 10%): 2

Invalid input. Enter a value > 0 and <= 0.5: 12

Invalid input. Enter a value > 0 and <= 0.5: 14

Invalid input. Enter a value > 0 and <= 0.5: 20

Invalid input. Enter a value > 0 and <= 0.5: 3

Invalid input. Enter a value > 0 and <= 0.5: .25

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

No items were purchased.

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 2

Enter the number of gamma packages to buy: 12

Enter the number of delta packages to buy: 14

Enter the number of epsilon packages to buy: 20

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 3

12 packages of gamma @ $11.5 per pkg = $138.0

14 packages of delta @ $14.43 per pkg = $202.01999999999998

20 packages of epsilon @ $2.25 per pkg = $45.0

This program supports 4 functions:

1. Set Up Shop

2. Buy

3. List Items

4. Checkout

Please choose the function you want: 4

Original Sub Total: $385.02

Special Discounts: -$51.86

New Sub Total: $333.15999999999997

Additional 25.0% Discount: -$83.28999999999999

Final Sub Total: $249.86999999999998

Thanks for coming!

Would you like to re-run (1 for yes, 0 for no)? 0