

Assignment 4 Output

practice

```
blacks1@sally:~/CS202/Fall12023/ast4/part1$ ./practice
TV                                x      4  $600.00
How big should the item array be?
5
Blank                            x      0  $0.00
Blank                            x      0  $0.00
Blank                            x      0  $0.00
Blank                            x      0  $0.00
Blank                            x      0  $0.00
keyboard                          x      1  $25.50
keyboard                          x      1  $25.50
```

shopping_test

```
blacks1@sally:~/CS202/Fall2023/ast4/part2$ ./shopping_test
Adding the first item...
Adding the second item...
Adding the third item...
Adding the fourth item. which should resize...
Tonkotsu                x      1  $9.50
Tacos Al Pastor         x      6  $2.20
Cacio e Pepe            x      2  $12.34
Big Burger              x      1  $14.67
The shopping cart will now delete its items
```

reading_test

Testing reading from file...

Toy Blocks	x	6	\$3.95
Big Dinosaur	x	10	\$4.99
Fashion Designer Doll	x	8	\$3.85
Connecty Blocks	x	12	\$4.60
Chalk	x	90	\$0.75
Puzzle Book	x	14	\$1.85
Toy Car	x	3	\$12.65
Bouncy Ball	x	100	\$0.50

shopping_prog food_catalog.txt

----- Store Front -----

```
#####
#           ---           Apple #
#      /\      \           #
#     /\  _  \           Q:  3 #
#     \ /  /           $1.20 #
#      \/___/           #
#####
```

```
#####
#           ---           Banana #
#      /\      \           #
#     /\  _  \           Q:  8 #
#     \ /  /           $0.85 #
#      \/___/           #
#####
```

```
#####
#           ---           Grape #
#      /\      \           #
#     /\  _  \           Q: 127 #
#     \ /  /           $0.05 #
#      \/___/           #
#####
```

```
#####
#           ---           Cherry #
#      /\      \           #
#     /\  _  \           Q:  16 #
#     \ /  /           $0.99 #
#      \/___/           #
#####
```

```
#####
#           ---           Dragonfruit #
#      /\      \           #
#     /\  _  \           Q:   2 #
#     \ /  /           $4.50 #
#      \/___/           #
#####
```

What would you like to buy? Please enter a letter for your choice.

A: Apple

B: Banana

C: Grape

D: Cherry

E: Dragonfruit

Q: Quit Shopping

A

How many would you like to purchase? (1-3)

2

----- Store Front -----

```
#####
#           Apple #
#   ---         #
#  /\   \       #
# /  \  _  \    #
# \  /  _  /    #
#  \/  _  /     #
#####
```

```
#####
#           Banana #
#   ---         #
#  /\   \       #
# /  \  _  \    #
# \  /  _  /    #
#  \/  _  /     #
#####
```

```
#####
#           Grape #
#   ---         #
#  /\   \       #
# /  \  _  \    #
# \  /  _  /    #
#  \/  _  /     #
#####
```

```
#####
#           Cherry #
#   ---         #
#  /\   \       #
# /  \  _  \    #
# \  /  _  /    #
#  \/  _  /     #
#####
```

```
#####
#           Dragonfruit #
#   ---
```

```

# /\ \ #
# / \ _ \ Q: 2 #
# \ / _ / $4.50 #
# \/_/_/ #
#####

```

What would you like to buy? Please enter a letter for your choice.

A: Apple
 B: Banana
 C: Grape
 D: Cherry
 E: Dragonfruit
 Q: Quit Shopping

B

How many would you like to purchase? (1-8)

3

----- Store Front -----

```

#####
#           Apple #
# /\ \ #
# / \ _ \ Q: 1 #
# \ / _ / $1.20 #
# \/_/_/ #
#####

```

```

#####
#           Banana #
# /\ \ #
# / \ _ \ Q: 5 #
# \ / _ / $0.85 #
# \/_/_/ #
#####

```

```

#####
#           Grape #
# /\ \ #
# / \ _ \ Q: 127 #
# \ / _ / $0.05 #
# \/_/_/ #
#####

```

```

#####
#           Cherry #
#   ---

```

```

# /\ \
# / \ - \
# \ / /
# \_--/
#####

```

```

#
Q: 16 #
$0.99 #
#

```

```

#####
#          Dragonfruit #
# /\ \
# / \ - \
# \ / /
# \_--/
#####

```

```

#
Q: 2 #
$4.50 #
#

```

What would you like to buy? Please enter a letter for your choice.

```

A: Apple
B: Banana
C: Grape
D: Cherry
E: Dragonfruit
Q: Quit Shopping
Q

```

```

----- Cart at Checkout -----
Apple          x    2  $1.20
Banana         x    3  $0.85
Total: $4.95

```

shopping_prog toy_catalog.txt

----- Store Front -----

```
#####  
#           ---           Big Dinosaur  #  
#      /\      \           #  
#     /\  _  \           Q:  10  #  
#     \ /  /           $4.99  #  
#      \/_--/           #  
#####
```

```
#####  
#           ---           Connecty Blocks  #  
#      /\      \           #  
#     /\  _  \           Q:  12  #  
#     \ /  /           $4.60  #  
#      \/_--/           #  
#####
```

```
#####  
#           ---           Chalk  #  
#      /\      \           #  
#     /\  _  \           Q:  90  #  
#     \ /  /           $0.75  #  
#      \/_--/           #  
#####
```

```
#####  
#           ---           Fashion Designer Doll  #  
#      /\      \           #  
#     /\  _  \           Q:   8  #  
#     \ /  /           $3.85  #  
#      \/_--/           #  
#####
```

```
#####  
#           ---           Bouncy Ball  #  
#      /\      \           #  
#     /\  _  \           Q: 100  #  
#     \ /  /           $0.50  #  
#      \/_--/           #  
#####
```

What would you like to buy? Please enter a letter for your choice.

A: Big Dinosaur

B: Connecty Blocks

C: Chalk

D: Fashion Designer Doll

E: Bouncy Ball

Q: Quit Shopping

D

How many would you like to purchase? (1-8)

5

----- Store Front -----

```
#####
#           Big Dinosaur #
#   ---
#  /\  \
# /  \  _ \
# \  /  /
#  \/_/_/
#####
```

Q: 10 #
\$4.99 #

```
#####
#           Connecty Blocks #
#   ---
#  /\  \
# /  \  _ \
# \  /  /
#  \/_/_/
#####
```

Q: 12 #
\$4.60 #

```
#####
#           Chalk #
#   ---
#  /\  \
# /  \  _ \
# \  /  /
#  \/_/_/
#####
```

Q: 90 #
\$0.75 #

```
#####
#           Fashion Designer Doll #
#   ---
#  /\  \
# /  \  _ \
# \  /  /
#  \/_/_/
#####
```

Q: 3 #
\$3.85 #

```
#####
#           Bouncy Ball #
#   ---
```

```

#  /\  \      #
#  /\  \  _  \      Q: 100 #
#  \  /  _  /      $0.50 #
#  \/_--/      #
#####

```

What would you like to buy? Please enter a letter for your choice.

- A: Big Dinosaur
- B: Connecty Blocks
- C: Chalk
- D: Fashion Designer Doll
- E: Bouncy Ball
- Q: Quit Shopping

D

How many would you like to purchase? (1-3)

3

----- Store Front -----

```

#####
#          Big Dinosaur  #
#  /\  \      #
#  /\  \  _  \      Q:  10 #
#  \  /  _  /      $4.99 #
#  \/_--/      #
#####

```

```

#####
#          Connecty Blocks  #
#  /\  \      #
#  /\  \  _  \      Q:  12 #
#  \  /  _  /      $4.60 #
#  \/_--/      #
#####

```

```

#####
#          Chalk  #
#  /\  \      #
#  /\  \  _  \      Q:  90 #
#  \  /  _  /      $0.75 #
#  \/_--/      #
#####

```

```

#####
#          Puzzle Book  #
#  /\  \      #
#  /\  \  _  \      #
#  \  /  _  /      #
#  \/_--/      #
#####

```

```

#      /\      \      #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Q: 14 #
$1.85 #
#

```

```

#####
#      _ _ _      Bouncy Ball #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Q: 100 #
$0.50 #
#

```

What would you like to buy? Please enter a letter for your choice.

```

A: Big Dinosaur
B: Connecty Blocks
C: Chalk
D: Puzzle Book
E: Bouncy Ball
Q: Quit Shopping
C

```

How many would you like to purchase? (1-90)

80

----- Store Front -----

```

#####
#      _ _ _      Big Dinosaur #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Q: 10 #
$4.99 #
#

```

```

#####
#      _ _ _      Connecty Blocks #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Q: 12 #
$4.60 #
#

```

```

#####
#      _ _ _      Chalk #

```

```

#      /\      \      #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Q: 10 #
$0.75 #

```

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Puzzle Book #

```

```

Q: 14 #
$1.85 #

```

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Bouncy Ball #

```

```

Q: 100 #
$0.50 #

```

What would you like to buy? Please enter a letter for your choice.

A: Big Dinosaur
 B: Connecty Blocks
 C: Chalk
 D: Puzzle Book
 E: Bouncy Ball
 Q: Quit Shopping
 E

How many would you like to purchase? (1-100)

6

----- Store Front -----

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#      \/___/      #
#####

```

```

Big Dinosaur #

```

```

Q: 10 #
$4.99 #

```

```

#####
#      _ _ _      #

```

```

Connecty Blocks #

```

```

#  /\  \      #
#  /\  \  _  \      Q:  12 #
#  \  /  _  /      $4.60 #
#  \/_--/      #
#####

```

```

#####
#  /\  \      Chalk  #
#  /\  \  _  \      #
#  \  /  _  /      Q:  10 #
#  \/_--/      $0.75 #
#                  #
#####

```

```

#####
#  /\  \      Puzzle Book  #
#  /\  \  _  \      #
#  \  /  _  /      Q:  14 #
#  \/_--/      $1.85 #
#                  #
#####

```

```

#####
#  /\  \      Bouncy Ball  #
#  /\  \  _  \      #
#  \  /  _  /      Q:  94 #
#  \/_--/      $0.50 #
#                  #
#####

```

What would you like to buy? Please enter a letter for your choice.

- A: Big Dinosaur
- B: Connecty Blocks
- C: Chalk
- D: Puzzle Book
- E: Bouncy Ball
- Q: Quit Shopping

A

How many would you like to purchase? (1-10)

2

----- Store Front -----

```

#####
#  /\  \      Big Dinosaur  #
#  /\  \  _  \
#  \  /  _  /
#  \/_--/

```

```

#      /\      \      #
#    /\  \  _  \      #
#    \  /  _  /      #
#    \/_/_/      #
#####

```

```

Q:   8 #
$4.99 #

```

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#    \/_/_/      #
#####

```

```

Connecty Blocks #

```

```

Q:  12 #
$4.60 #

```

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#    \/_/_/      #
#####

```

```

Chalk #

```

```

Q:   10 #
$0.75 #

```

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#    \/_/_/      #
#####

```

```

Puzzle Book #

```

```

Q:   14 #
$1.85 #

```

```

#####
#      _ _ _      #
#    /\  \  _  \      #
#    \  /  _  /      #
#    \/_/_/      #
#####

```

```

Bouncy Ball #

```

```

Q:   94 #
$0.50 #

```

What would you like to buy? Please enter a letter for your choice.

- A: Big Dinosaur
- B: Connecty Blocks
- C: Chalk
- D: Puzzle Book
- E: Bouncy Ball

Q: Quit Shopping

B

How many would you like to purchase? (1-12)

4

----- Store Front -----

```
#####
#                               Big Dinosaur #
#      ---                      #
#     /\      \                 #
#    /  \    _ \                Q:   8  #
#   \   /    /  \              $4.99 #
#    \ /    _ /                #
#     \/_--/                  #####
```

```
#####
#                               Connecty Blocks #
#      ---                      #
#     /\      \                 #
#    /  \    _ \                Q:   8  #
#   \   /    /  \              $4.60 #
#    \ /    _ /                #
#     \/_--/                  #####
```

```
#####
#                               Chalk #
#      ---                      #
#     /\      \                 #
#    /  \    _ \                Q:  10  #
#   \   /    /  \              $0.75 #
#    \ /    _ /                #
#     \/_--/                  #####
```

```
#####
#                               Puzzle Book #
#      ---                      #
#     /\      \                 #
#    /  \    _ \                Q:  14  #
#   \   /    /  \              $1.85 #
#    \ /    _ /                #
#     \/_--/                  #####
```

```
#####
#                               Bouncy Ball #
#      ---                      #
#     /\      \                 #
#    /  \    _ \                Q:  94  #
#   \   /    /  \              $0.50 #
#    \ /    _ /                #
#     \/_--/                  #####
```

What would you like to buy? Please enter a letter for your choice.

A: Big Dinosaur
B: Connecty Blocks
C: Chalk
D: Puzzle Book
E: Bouncy Ball
Q: Quit Shopping
Q

----- Cart at Checkout -----

Fashion Designer Doll	x	5	\$3.85
Fashion Designer Doll	x	3	\$3.85
Chalk	x	80	\$0.75
Bouncy Ball	x	6	\$0.50
Big Dinosaur	x	2	\$4.99
Connecty Blocks	x	4	\$4.60

Total: \$122.18