

Sample Runs

Exercise 9.3

```
All Invoices:
Part Number: 83, Description: Electric sander, Quantity: 7, Price: $57.98
Part Number: 24, Description: Power saw, Quantity: 18, Price: $99.99
Part Number: 7, Description: Sledge hammer, Quantity: 11, Price: $21.50
Part Number: 77, Description: Hammer, Quantity: 76, Price: $11.99
Part Number: 39, Description: Lawn mower, Quantity: 3, Price: $79.50
Part Number: 68, Description: Screwdriver, Quantity: 106, Price: $6.99
Part Number: 5, Description: Jig saw, Quantity: 21, Price: $11.00
Part Number: 5, Description: Wrench, Quantity: 34, Price: $7.50

Invoices sorted by part description:
Electric sander
Hammer
Jig saw
Lawn mower
Power saw
Screwdriver
Sledge hammer
Wrench

Invoices sorted by price:
Price: $6.99
Price: $7.50
Price: $11.00
Price: $11.99
Price: $21.50
Price: $57.98
Price: $79.50
Price: $99.99
```

```
Part Description and Quantity sorted by Quantity:
Part Description: Lawn mower, Quantity: 3
Part Description: Electric sander, Quantity: 7
Part Description: Sledge hammer, Quantity: 11
Part Description: Power saw, Quantity: 18
Part Description: Jig saw, Quantity: 21
Part Description: Wrench, Quantity: 34
Part Description: Hammer, Quantity: 76
Part Description: Screwdriver, Quantity: 106

Part Description and Value of Invoice sorted by Invoice Total:
Part Description: Jig saw, Invoice Total: $231.00
Part Description: Sledge hammer, Invoice Total: $236.50
Part Description: Lawn mower, Invoice Total: $238.50
Part Description: Wrench, Invoice Total: $255.00
Part Description: Electric sander, Invoice Total: $405.86
Part Description: Screwdriver, Invoice Total: $740.94
Part Description: Hammer, Invoice Total: $911.24
Part Description: Power saw, Invoice Total: $1,799.82

Invoices between $200.00-$500.00 :
Part Number: 83, Invoice Total: $405.86
Part Number: 7, Invoice Total: $236.50
Part Number: 39, Invoice Total: $238.50
Part Number: 5, Invoice Total: $231.00
Part Number: 5, Invoice Total: $255.00
```

Exercise 9.4

```
User entered sentence:
I have a cat cat dog dog and a bear bear

Nonduplicate words sorted in alphabetical order:
a
and
bear
cat
dog
have
I
```

Exercise 9.5

Random list of letters:

P
M
X
O
S
I
J
J
E
V
Y
A
Q
E
I
A
C
L
Z
H
P
R
X
R
S
M
Q
B
P
W

Random letters sorted in ascending order:

A
A
B
C
E
E
H
I
I
J
J
L
M
M
O
P
P
P
Q
Q
R
R
S
S
V
W
X
X
Y
Z

Random letters sorted in descending order:

Z
Y
X
X
W
V
S
S
R
R
Q
Q
P
P
P
O
M
M
L
J
J
I
I
H
E
E
C
B
A
A

Nonduplicate list sorted in descending order:

Z
Y
X
W
V
S
R
Q
P
O
M
L
J
I
H
E
C
B
A