Part 1

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Output

```
Since no wheeled transportation has been selected, the number of wheels
and the maximum speed have been
set to 0 and 0.0.

This wheeled transportation has 4 wheels and a maximum speed of 100.0
km/h.

This wheeled transportation has 4 wheels and a maximum speed of 100.0
km/h.

Since no train has been selected, the number of wheels, the maximum speed,
and the number of venhicles
are set to 0. Travelling does not occur.

This train has 4 wheels, a maximum speed of 100.0 km/h, 10 vehicles, and
travels from Toronto
to Montreal.

This train has 4 wheels, a maximum speed of 100.0 km/h, 10 vehicles, and
travels from Toronto
to Montreal.

Since no tram has been selected, the number of wheels, the maximum speed,
and the number of venhicles
are set to 0. Travelling does not occur. There are 0 stops and no creation
year.

This tram has 4 wheels, a maximum speed of 100.0 km/h, 10 vehicles,
travels from Toronto to Montreal,
has 100 stops, and was created in 2023.

This tram has 4 wheels, a maximum speed of 100.0 km/h, 10 vehicles,
travels from Toronto to Montreal,
has 100 stops, and was created in 2023.

Since no metro has been selected, the number of wheels, the maximum speed,
and the number of venhicles
are set to 0. Travelling does not occur. There are 0 stops and no creation
year.

This metro has 4 wheels, a maximum speed of 100.0 km/h, 10 vehicles,
travels from Toronto to Montreal,
and has 100 stops.
```

```
This metro has 4 wheels, a maximum speed of 100.0 km/h, 10 vehicles,
travels from Toronto to Montreal,
and has 100 stops.

Since no monowheel has been selected, the number of wheels and the maximum
speed are set to 0.

This monowheel has 1 wheel, a maximum speed of 100.0 km/h, and a maximum
weight of 100.0 kg.

This monowheel has 1 wheel, a maximum speed of 100.0 km/h, and a maximum
weight of 100.0 kg.

Since no aircraft has been selected, the price and the maximum elevation
are set to 0.

This aircraft costs $20000.0 and has a maximum elevation of 1000.0 m.

This aircraft costs $20000.0 and has a maximum elevation of 1000.0 m.

Since no World War II airplane has been selected, the price and the
maximum elevation are set to 0.
No info available for engine type.

This World War II airplane costs $50000.0, has a maximum elevation of
3000.0 m, and is single-engine.

This World War II airplane costs $50000.0, has a maximum elevation of
3000.0 m, and is single-engine.

Since no ferry was selected, the maximum speed and the maximum load are
set to 0.

This ferry has a maximum speed of 4.0 km/h and a maximum load of 100.0 kg.

This ferry has a maximum speed of 4.0 km/h and a maximum load of 100.0 kg.

Testing equals method:
false
false
true
false
true

Initialize highestPrice to:
-1000000.0

Initialize lowestPrice to:
-1000000.0

Checking if object 0 is an aircraft.
Object 0 is not an aircraft.
```

```
Checking if object 1 is an aircraft.
Object 1 is not an aircraft.

Checking if object 2 is an aircraft.
Object 2 is not an aircraft.

Checking if object 3 is an aircraft.
Object 3 is not an aircraft.

Checking if object 4 is an aircraft.
Object 4 is not an aircraft.

Checking if object 5 is an aircraft.
Object 5 is not an aircraft.

Checking if object 6 is an aircraft.
Object 6 is not an aircraft.

Checking if object 7 is an aircraft.
Object 7 is not an aircraft.

Checking if object 8 is an aircraft.
Object 8 is not an aircraft.

Checking if object 9 is an aircraft.
Object 9 is not an aircraft.

Checking if object 10 is an aircraft.
Object 10 is not an aircraft.

Checking if object 11 is an aircraft.
Object 11 is not an aircraft.

Checking if object 12 is an aircraft.
Object 12 is not an aircraft.

Checking if object 13 is an aircraft.
Object 13 is an aircraft.

Checking if price of aircraft 13 is higher than highest price so far...
Updating current highest price to: 0.0
New highest price index is: 13

Checking if price of aircraft 13 is lower than lowest price so far...
Updating current lowest price to: 0.0
New lowest price index is: 13

Checking if object 14 is an aircraft.
Object 14 is an aircraft.

Checking if price of aircraft 14 is higher than highest price so far...
Updating current highest price to: 20000.0
New highest price index is: 14
```

```
Checking if price of aircraft 14 is lower than lowest price so far...
It was not.

Checking if object 15 is an aircraft.
Object 15 is an aircraft.

Checking if price of aircraft 15 is higher than highest price so far...
It was not.

Checking if price of aircraft 15 is lower than lowest price so far...
It was not.

Checking if object 16 is an aircraft.
Object 16 is an aircraft.

Checking if price of aircraft 16 is higher than highest price so far...
It was not.

Checking if price of aircraft 16 is lower than lowest price so far...
It was not.

Checking if object 17 is an aircraft.
Object 17 is an aircraft.

Checking if price of aircraft 17 is higher than highest price so far...
Updating current highest price to: 50000.0
New highest price index is: 17

Checking if price of aircraft 17 is lower than lowest price so far...
It was not.

Checking if object 18 is an aircraft.
Object 18 is not an aircraft.

Checking if object 19 is an aircraft.
Object 19 is not an aircraft.

Details of the most expensive aircraft:
This World War II airplane costs $50000.0, has a maximum elevation of
3000.0 m, and is single-engine.

Details of the least expensive aircraft is:
Since no aircraft has been selected, the price and the maximum elevation
are set to 0.

Initialize highestPrice to:
-1000000.0

Initialize lowestPrice to:
-1000000.0

Checking if object 0 is an aircraft.
Object 0 is not an aircraft.
```

```
Checking if object 1 is an aircraft.
Object 1 is not an aircraft.

Checking if object 2 is an aircraft.
Object 2 is not an aircraft.

Checking if object 3 is an aircraft.
Object 3 is not an aircraft.

Checking if object 4 is an aircraft.
Object 4 is not an aircraft.

Checking if object 5 is an aircraft.
Object 5 is not an aircraft.

Checking if object 6 is an aircraft.
Object 6 is not an aircraft.

Checking if object 7 is an aircraft.
Object 7 is not an aircraft.

Checking if object 8 is an aircraft.
Object 8 is not an aircraft.

Checking if object 9 is an aircraft.
Object 9 is not an aircraft.

Checking if object 10 is an aircraft.
Object 10 is not an aircraft.

Checking if object 11 is an aircraft.
Object 11 is not an aircraft.

Checking if object 12 is an aircraft.
Object 12 is not an aircraft.

Checking if object 13 is an aircraft.
Object 13 is not an aircraft.

Checking if object 14 is an aircraft.
Object 14 is not an aircraft.

Checking if object 15 is an aircraft.
Object 15 is not an aircraft.

Checking if object 16 is an aircraft.
Object 16 is not an aircraft.

Checking if object 17 is an aircraft.
Object 17 is not an aircraft.

No aircrafts exists!
```

```
Exiting program
```

Description

The shown display from the `FindLeastAndMostExpensiveAircraft()` method is correct. The method checks every element of the passed array, and determines if it is a more expensive or less expensive aircraft than the previous array elements. By the end of the array, the most and least expensive aircrafts are displayed, if none exist, a message to that effect is printed.