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Assignment 2 – Part I

Does my program work correctly, or does it misbehave! WHY?

Correctness: The output display is correct because the method *findLeastAndMostExpensiveUAV()* scans through an array of **FlyingObjects** and determines a UAV object with the lowest price as well as highest price.

In the first array used, the output is correct because both the least and most expensive are **UAV** objects. If compared with other **UAV** objects the object “avia14” definitely has the lowest price, and the object “avia10” has the highest price. Also, we can notice that whilst “avia10” has the highest price amongst the **UAV** objects, its price is still low compared to the **Airplane** objects, which is correct.

In the second array used, there are no **UAV** objects which means that the output should display a message announcing that there are no **UAV** objects. The output is correct because there’s a message precisely indicating the absence of **UAV** objects.

In the case of a third array with only one **UAV** object, the output correctly displays the information of that object as the least and most expensive **UAV**.