**CS506 GDB Fall 2023**

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**Solution:**

Yes, it is true that most of the object-oriented programming languages support multiple inheritance but Java does not support it.

**Reason:**

According to the given scenario, Java doesn't allow using more than one parent class for a child class. This helps keep things less complicated. It makes code easier to read and prevents confusion when using methods from different parents. While this rule might mean some repeating code and restrictions in how classes relate, it makes maintaining code simpler overall.

It doesn't directly affect how memory or speed works, but finding other ways to do the same things might add a bit of extra work.

**Conclusion:**

So, it is concluded that the Java's single inheritance simplifies code but might lead to some repeating code. Overall, it keeps things clearer, even though finding different ways to do things might take a bit more effort.