Create simple application which will read input xml file with car description:

<**cars**>  
 <**car**>  
 <**manufacturer**>Skoda</**manufacturer**>  
 <**model**>Felicia</**model**>  
 <**class**>cz.example.cars.model.GasolineCar</**class**>  
 <**weight**>800</**weight**>  
 <**length**>230</**length**>  
 <**width**>150</**width**>  
 <**dateOfManufacture**>1998-01-02</**dateOfManufacture**>  
 </**car**>

….

**</cars>**

and show statistics about read cars:

Show number of cars

Show sorted cars according to area they cover: length x width

Show oldest and youngest car (according to manufacture)

Show group statistics – which class + how often

Show average weight

Use technologies:

JAXB

Reflection - [guidance](https://www.mkyong.com/java/how-to-use-reflection-to-call-java-method-at-runtime/)

Use [immutable](https://www.google.cz/search?q=immutable+object&oq=immutable+object&aqs=chrome..69i57j69i61l2j69i60j0l2.3551j0j7&sourceid=chrome&ie=UTF-8) car object

Use at least 2 threads

Use unit testing

Use log4j2 for logging

Create and use own Exception

Package as jar

Use Maven