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//Purpose: Practice with Inheritance, abstract classes, instanceof, and comparable

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//Input: Arraylist of ships

//Output: Ships name and year, number of passengers, or tonnage

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//Course: 1302 A

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//Program: MyShip4.java

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In this program I learned how to use inheritance, abstract classes, instanceof, and interfaces. This program was not too hard. This last homework, MyPayroll3, helped me understand how to do this program. The only thing that I thought was tricky was the comparable method and the instanceof method. I just referred back to the old assignment and fixed the problems I had. I learned how to connect the subclasses to main class by using “extends”. I also had to make sure the arrayList was getting read so the name, year, and/or tonnage and passengers was printed correctly. The comparable was there to help sort the arrayList by year. Instanceof was used to check the tonnage and passengers from the subclasses, CargoShip and CruiseShip. Then we used it to help implement the total of both.