10/24/23, 12:11 PM Ship.java

TestNotes/pset2/Ship.java

```
// Ship.java
 2
 3
   /**
 4
    * PSET2 #5
    * Abstract class representing generic Ship with properties like name, yearBuilt, and
    engineType.
    * It also defines an enum EngineType to categorize ship engine types.
 6
    * Subclasses CruiseShip and CargoShip inherit from this class.
 7
 8
9
    * @author Kuljit Takhar
    * @version October 7, 2023
10
11
12
    */
13
14
   /**
15
    * Public abstract class representing a Ship
16
    */
17
   public abstract class Ship {
18
19
        private String name;
20
        private int yearBuilt;
21
        private EngineType engineType;
22
23
        public enum EngineType {
            STEAM ENGINE, STEAM TURBINE, GAS TURBINE, DIESEL, ELECTRIC, WIND, HUMAN FORCE
24
25
        }
26
27
        public Ship(String name, int yearBuilt, EngineType engineType) {
28
            this.name = name;
29
            this.yearBuilt = yearBuilt;
30
            this.engineType = engineType;
        }
31
32
        public String getName() {
33
34
            return name;
        }
35
36
37
        public void setName(String name) {
            this.name = name;
38
39
        }
40
        public int getYearBuilt() {
41
42
            return yearBuilt;
43
        }
44
45
        public void setYearBuilt(int yearBuilt) {
46
            this.yearBuilt = yearBuilt;
47
        }
48
49
        public EngineType getEngineType() {
50
            return engineType;
51
        }
52
```

}

103 104