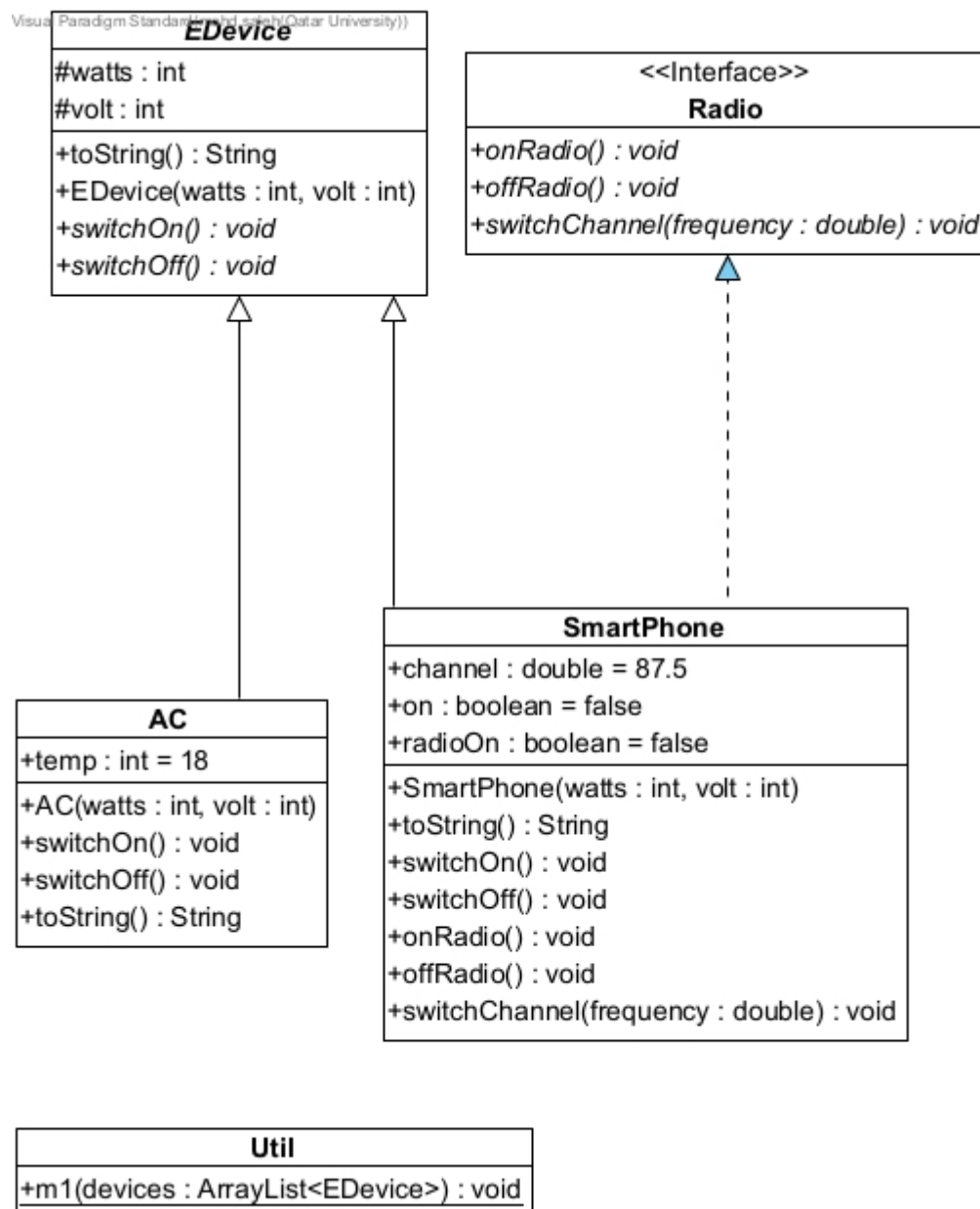


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Quiz instructions: Answer all questions.

Q.1 [100 POINTS] [Students' average needed time to solve and review is 10 MINUTES]

Assume you are currently coding inside the body of the class **Util**. Write the public static method **quiz4L03** that receives an **ArrayList** of **EDevice** objects. This method switches on all devices and if the device is an **AC** it sets the temperature to **20** while if the device is a **SmartPhone** it switches on the radio on the channel **102.6**. The method prints out the number of found **AC** objects and number of found **SmartPhone** objects.



```
package l02Assessment.quiz4;
import java.util.ArrayList;
public class Util {
    public static void quiz4_L02(ArrayList<EDevice>devices) {
        int acCount=0, spCount=0;
        for(EDevice device : devices) {
            if(device instanceof AC) {
                AC ac = (AC) device;
                ac.temp=20;
                ++acCount;
            }
            else if(device instanceof SmartPhone) {
                SmartPhone sp = (SmartPhone) device;
                sp.onRadio();
                sp.switchChannel(102.6);
                ++spCount;
            }
        }
        System.out.printf("There are %d Acs and %d smart
phones.\n",acCount, spCount);
    }
}
```