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Lab 6

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/\*--------------------------  
Created by: Nathan Gaffney  
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Model of a television  
---------------------------\*/  
public class Television  
{  
 private String MANUFACTURER; //The manufacturer  
 private int SCREEN\_SIZE; //Size of teelevision screen  
 private boolean powerOn;//On or Off  
 private int channel;//Channel  
 private int volume;//Volume level  
   
 /\*\*  
 THis method is the constructor.  
 @MAN is the MANUFACTURER  
 @SS is the screen size  
 THis will:  
 set powerOn to off  
 set the volume to 20  
 set the channel to 2  
 \*/  
 public Television(String MAN, int SS)  
 {  
 MANUFACTURER = MAN;  
 SCREEN\_SIZE = SS;  
 powerOn = false;  
 volume = 20;  
 channel = 2;  
 }  
 /\*\*  
 This method will set the channel field.  
 @station this is what the channel will become  
 \*/  
 public void setChannel(int station)  
 {  
 channel = station;  
 }  
 /\*\*  
 This will toggle the power variable  
 If true will become false  
 If false will become true  
 \*/  
 public void power()  
 {  
 powerOn = !powerOn;  
 }  
 /\*\*  
 This method will increment the volume by 1  
 \*/  
 public int increaseVolume()  
 {  
 return volume++;  
 }  
 /\*\*  
 This method will decrease the volume by 1  
 \*/  
 public int decreaseVolume()  
 {  
 return volume--;  
 }  
 /\*\*  
 This method will return the value stored in channel  
 \*/  
 public int getChannel()  
 {  
 return channel;  
 }  
 /\*\*  
 This method will return the value stored in channel  
 \*/  
 public int getVolume()  
 {  
 return volume;  
 }  
 /\*\*  
 This method will return the string stored in MANUFACTURER  
 \*/  
 public String getManufacturer()  
 {  
 return MANUFACTURER;  
 }  
 /\*\*  
 This method will return the value stored in SCREEN\_SIZE  
 \*/  
 public int getScreenSize()  
 {  
 return SCREEN\_SIZE;  
 }  
}

ÏÏÏÏ  
ÏÏ«Ï ----jGRASP exec: java TelevisionDemo  
ÏÏ§Ï  
ÏÏ§ÏA 55 inch Toshiba has been turned on.  
¼¼§ÏWhat channel do you want? 56  
ÏÏ§ÏChannel: 56 Volume: 21  
ÏÏ§ÏToo loud!! I am lowering the volume.  
ÏÏ§ÏChannel: 56 Volume: 15  
ÏÏ§Ï  
ÏÏ§ÏA 19 inch Sharp has been turned on.  
¼¼§ÏWhat channel do you want? 7  
ÏÏ§ÏChannel: 7 Volume: 18  
ÏÏ§Ï  
ÏÏ§Ï  
ÏÏ©Ï ----jGRASP: operation complete.