1. package fruit;

import java.util.Arrays;

import java.util.List;

public class Fruit {

String name;

int calories;

int price;

String color;

public Fruit(String name, int calories, int price, String color) {

this.name = name;

this.calories = calories;

this.price = price;

this.color = color;

}

/\*\*

\* @return the name

\*/

public String getName() {

return name;

}

/\*\*

\* @param name the name to set

\*/

public void setName(String name) {

this.name = name;

}

/\*\*

\* @return the calories

\*/

public int getCalories() {

return calories;

}

/\*\*

\* @param calories the calories to set

\*/

public void setCalories(int calories) {

this.calories = calories;

}

/\*\*

\* @return the price

\*/

public int getPrice() {

return price;

}

/\*\*

\* @param price the price to set

\*/

public void setPrice(int price) {

this.price = price;

}

/\*\*

\* @return the color

\*/

public String getColor() {

return color;

}

/\*\*

\* @param color the color to set

\*/

public void setColor(String color) {

this.color = color;

}

@Override

public String toString() {

return "Fruit [name=" + name + ", calories=" + calories + ", price=" + price + ", color=" + color + "]";

}

}

package fruit;

import java.util.Arrays;

import java.util.Comparator;

import java.util.List;

import java.util.stream.Collectors;

import java.util.stream.Stream;

public class Fav {

public static void main(String[] args) {

List<Fruit> fruit=Arrays.asList(

new Fruit("Orange",230,60,"Orange"),

new Fruit("Apple",180,150,"Red"),

new Fruit("Watermelon",90,140,"Green"),

new Fruit("Mango",90,140,"Yellow"),

new Fruit("Strawberry",90,140,"Pink")

);

fruit. stream().filter(n->n.calories<100).forEach(s->System.out.println(s.name));

fruit.stream().filter(n->n.color=="red").forEach(s->System.out.println(s.name));

fruit.stream().sorted((f1,f2)->(f1.getPrice()-f2.getPrice())).forEach(s->System.out.println(s.name));

fruit.stream().sorted((f1,f2)->(f1.getColor().compareTo(f2.color))).forEach(s->System.out.println(s.name));

fruit.stream().sorted((f1,f2)->f1.color.compareTo(f2.color))

.forEach(s->System.out.println(s.name));

}

}