**Question 1**

John

**Question 2**

3.0

**Question 3**

A, B

**Question 4**

22,-1,1,-22

**Question 5**

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**Question 6**

public static int countEvenIntegers (int[] array){

int even\_count = 0;

for (int i = 0; i < array.length; i++) {

if ((array[i] & 1) == 1)

odd\_count++;

else

even\_count++;

}

return even\_count;

}

**Question 7**

public class NewClass {

public static void main(String[] args) {

Shirt shirt = new Shirt("aaaa", 23.5, 6);

System.out.println(shirt.getBrand()+" "+shirt.getPrice()+" "+shirt.getSize());

Shirt shirt2 = new Shirt("aaaa", 23.5);

System.out.println(shirt2.getBrand()+" "+shirt2.getPrice()+" "+shirt2.getSize());

shirt2.setBrand("zzzzz");

shirt2.setPrice(45.76);

shirt2.setSize(22);

System.out.println(shirt2.getBrand()+" "+shirt2.getPrice()+" "+shirt2.getSize());

System.out.println(shirt2.getPriceInEuros());

shirt.compareSize(shirt);

}

}

class Shirt{

private String brand;

private double price;

private int size;

//your code comes here...

public Shirt(String brand, Double price, int size ){

this.brand=brand;

this.price=price;

this.size=size;

}

public Shirt(String brand, Double price){

this.brand=brand;

this.price=price;

this.size=9;

}

public String getBrand(){

return this.brand;

}

public double getPrice(){

return this.price;

}

public int getSize(){

return this.size;

}

public void setBrand(String brand){

this.brand=brand;

}

public void setPrice(Double price){

this.price=price;

}

public void setSize(int size){

this.size=size;

}

public double getPriceInEuros(){

return this.price\*0.85;

}

public void compareSize (Shirt another){

int size = another.getSize();

if(this.size==size){

System.out.println("same size");

}else if(this.size>size){

System.out.println("larger");

}else if(this.size<size){

System.out.println("smaller");

}

}

}