import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class CustomerDetails {

private String customerId;

private String customerName;

private long phoneNumber;

private String emailId;

private String toyType;

private double price;

public CustomerDetails(String customerId,String customerName,long phoneNumber,String

emailId, String toyType,double price)

{

this.customerId=customerId;

this.customerName=customerName;

this.phoneNumber=phoneNumber;

this.emailId=emailId;

this.toyType=toyType;

this.price=price;

}

public String getCustomerId()

{

return this.customerId;

}

public void setCustomerId(String customerId)

{

this.customerId=customerId;

}

public String getCustomerName()

{

return this.customerName;

}

public void setCustomerName(String customerName)

{

this.customerName=customerName;

}

public long getPhoneNumber()

{

return this.phoneNumber;

}

public void setPhoneNumber(long phoneNumber)

{

this.phoneNumber=phoneNumber;

}

public String getEmailId()

{

return this.emailId;

}

public void setEmailId(String emailId)

{

this.emailId=emailId;

}

public String getToyType()

{

return toyType;

}

public void setToyType(String toyType)

{

this.toyType=toyType;

}

public double getPrice()

{

return this.price;

}

public void setPrice(double price)

{

this.price=price;

}

// Fill the code

public boolean validateCustomerId() {

String customerId=getCustomerId();

String pattern = "Incredible/[0-9]{3}/[0-9]{4}";

Pattern r = Pattern.compile(pattern);

Matcher m = r.matcher(customerId);

if(m.find())

{

return true;

}

return false;

}

public double calculateDiscount() {

double price = getPrice();

int dis=0;

toyType=toyType.toLowerCase();

switch(toyType)

{

case "softtoys":

dis=5;

break;

case "fidgettoys":

dis=10;

break;

case "sensorytoys":

dis=15;

break;

case "puzzles":

dis=20;

break;

}

return (price-(price\*dis/100));

}

}