import java.util.\*;//Scanner class to take user input

class Publication //Publication class is a base class

{

String title; //Common Data Members

int price, copies; //Common Data Members

public static int total=0;//Total Sale of Publication

public int saleCopy()

{

System.out.println("Total Sale of Publication is: "+(copies\*price));

return(copies\*price);

}

public int getcopies()

{

return this.copies;

}

public int setcopies(int cp)

{

return this.copies=cp;

}

public int setprice(int p)

{

return this.price=p;

}

}

class Book extends Publication //Book is the derived class of Publication

{

String author; //author of the book

int pcopies,price1; //Temporary variables to set the values of price and copies

public int saleCopy() //Overridden Method

{

System.out.println("Total Sale of book is: "+(copies\*price));

total=total+(copies\*price);//Calculate total sale of the publication

return (copies\*price);

}

public void orderCopies()

{

Scanner in=new Scanner(System.in);

System.out.println("Enter the title of the Book to be ordered: ");

title=in.nextLine();

System.out.println("Enter the author of the Book to be ordered: ");

author=in.nextLine();

System.out.println("Enter the no of copies of the Book to be ordered: ");

pcopies=in.nextInt();

System.out.println("Enter the price of the Book to be ordered: ");

price1=in.nextInt();

setcopies(getcopies() + pcopies);

setprice(price1);

}

}

class Magazine extends Publication //Magazine

{

private int orderQty;

private String currIssue;

public String getcurrIssue()

{

return this.currIssue;

}

public void setcurrIssue(String issue)

{

this.currIssue = issue;

}

public int getorderQty()

{

return this.orderQty;

}

public void setorderQty(int copies)

{

this.orderQty = copies;

}

public int saleCopy()

{

System.out.println("Total Sale of Magazine is: "+(copies\*price));

total=total+(copies\*price);

return (copies\*price);

}

public void recvNewIssue(String pNewIssue)

{

setcopies(orderQty);

currIssue=pNewIssue;

}

}

class pub

{

public static void main(String args[])

{

Book b1=new Book(); //Object for Book1

b1.orderCopies(); //Order Book1-cust 1

b1.orderCopies();//Order Book1-cust2

System.out.println("Total Copies of the Book1 Ordered: "+b1.copies);

b1.saleCopy();

Book b2=new Book();

b2.orderCopies(); //Order Book2

System.out.println("Total Copies of the Book2 Ordered: "+b2.copies);

b2.saleCopy();

System.out.println("Total Sale of Publication is: "+b1.total);

}

}

