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import java.io.*;
import java.util.*;
class Publication
{
    private String title;
    public double price;
    private int copies;
    static double total=0;
    public void setTitle String title)
    {
        this title=title;
    }
    public String getTitle()
    {
        return this title;
    }
    public void setPrice double price)
    {
        if price>0
        {
            this price=price;
        }
        else
        {
            System.out.println "Inavlid price";
        }
    }
    public double getPrice()
    {
        return this price;
    }
    public void setcopies int copies)
    {
        this copies=copies;
    }
    public int getcopies()
    {
        return this copies;
    }
    public double sellcopy int qty)
    {
        System.out.println "Total Publication Sell: $" + (qty*price));
        return (qty*price);
    }
}

class Book extends Publication
{
    private String author;
    public void setAuthor String author)
    {
        this author=author;
    }
}

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    public String getAuthor()
    {
        return this.author;
    }

    public void orderCopies int pcopies
    {
        setcopies(getcopies()+pcopies);
    }

    public double sellcopy int qty
    {
        System.out.println "Total Book Sell: $" + (qty*price);
        total=total+ qty*price;
        return (qty*price);
    }
}

class Magazine extends Publication
{
    int orderQty;
    String currIssue;
    public void setcurrIssue String issue
    {
        currIssue=issue;
    }

    public String getcurrIssue()
    {
        return currIssue;
    }

    public void setorderQty int copies
    {
        orderQty=copies;
    }

    public int getorderQty()
    {
        return orderQty;
    }

    public void recvNewIssue String pNewIssue
    {
        currIssue=pNewIssue;
    }

    public double sellcopy int qty
    {
        System.out.println "Total Magazine Sell: $" + (qty*price);
        total=total+ qty*price;
        return (qty*price);
    }
}

class Polymorphism
{
    public static void main String args[])
    {
        var s=new Scanner System.in;
        Book obj1=new Book();
        System.out.println "Enter Book author: ";
    }
}

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String a=s.nextLine();
obj1.setAuthor(a);
System.out.println("Author name: "+obj1.getAuthor());

System.out.println("Enter Book Title: ");
String t=s.nextLine();
obj1.setTitle(t);
System.out.println("Publisher title is: "+obj1.getTitle());

System.out.println("Enter book price: ");
int p=s.nextInt();
obj1.setPrice(p);
System.out.println("Price of the book is: $"+obj1.getPrice());

System.out.println("Enter no. of Book copies: ");
int c=s.nextInt();
obj1.setcopies(c);
System.out.println("No. of book copies: "+obj1.getcopies());

System.out.println("Enter book sale copies: ");
int bsc=s.nextInt();
obj1.sellcopy(bsc);

Magazine obj2=new Magazine();
System.out.println("Enter current issue of Magazine: ");
String cim=s.nextLine();
obj2.setcurrIssue(cim);
System.out.println("Current issue: "+obj2.getcurrIssue());

System.out.println("Enter order quantity of Magazine: ");
int oq=s.nextInt();
obj2.setorderQty(oq);
System.out.println("Total order Quantity: "+obj2.getorderQty());

System.out.println("Enter price of Magzine: ");
double mp=s.nextInt();
obj2.setPrice(mp);
System.out.println("Price of Magzine is: $"+obj2.getPrice());

System.out.println("Enter Magazine copies: ");
int co=s.nextInt();
obj2.setcopies(co);
System.out.println("No. of Magazine copies: "+obj2.getcopies());

System.out.println("Enter Magazine sale copies: ");
int sc=s.nextInt();
obj2.sellcopy(sc);
obj2.recvNewIssue("2022-102");

System.out.println("Total Sale of Publication is: "+Magazine.total);
s.close();
}

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