

ASSIGNMENT NO 02

```
package mypack;
public class Book extends Publication
{
    String author;
    void setauthor(String author)
    {
        this.author=author;
    }
    String getauthor()
    {
        return author;
    }
    void ordercopies(int copies)
    {
        setcopies(getcopies()+copies);
    }
    double salecopy(int qty)
    {
        System.out.println("TOTAL SALE PRICE "+(qty*price));
        total=total+(qty*price);
        return qty*price;
    }
}
```

```

package mypack;
public class Magazine extends Publication
{
    int order;
    int magcopies;
    String currissue;

    void setcurrissue(String currissue)
    {
        this.currissue=currissue;
    }
    String getcurrissue()
    {
        return currissue;
    }
    void setorder(int copies)
    {
        this.copies=copies;
    }
    int getorder()
    {
        return order;
    }
    void setmagcopies(int copies)
    {
        this.copies=copies;
    }
    int getmagcopies()
    {
        return magcopies;
    }

    void recrnewIssue(String newIssue)
    {
        currissue=newIssue;
        System.out.println("CURR_ISSUE "+currissue);
    }
    double salecopy(int qty)
    {
        System.out.println("TOTAL SALE :"+(qty*price));
        total=total+(qty*price);
        return qty*price;
    }

}

```

```

package mypack;
import java.util.Scanner;
public class Polydemo
{
    public static void main(String args[])
    {
        Scanner s=new Scanner(System.in);
        Book b1=new Book();
        System.out.println("ENTER BOOK
TITLE,AUTHOR,PRICE.COPIES");
        String t=s.nextLine();
        String a=s.nextLine();
        int p=s.nextInt();
        int c=s.nextInt();
        b1.settitle(t);
        b1.setauthor(a);
        b1.setprice(p);
        b1.setcopies(c);

        System.out.println("BOOK TITILE IS
:"+b1.gettitle()+"BOOK AUTHOR IS :"+b1.getauthor()+"BOOK PRICE
IS :"+b1.getprice()+"BOOK COPIES ARE :"+b1.getcopies());
        Publication p1=b1;
        System.out.println("ENTER SALE BOOK COPIES :");
        int sc=s.nextInt();
        p1.salecopy(sc);

        Magazine m1=new Magazine();
        System.out.println("ENTER CURR_MAG_ISSUE , ORDER_QTY
, MAG_PRICE , MAG_COPIES :");
        String cmi=s.nextLine();
        int oq=s.nextInt();
        int mp=s.nextInt();
        int mco=s.nextInt();
        m1.setcurrissue(cmi);
        m1.setorder(oq);
        m1.setprice(mp);
        m1.setmagcopies(mco);

        System.out.println("CURR_MAG_ISSUE
:"+m1.getcurrissue()+"order_quantity
:"+m1.getorder()+"Mag_price :"+m1.getprice()+"MAG_COPIES
:"+m1.getmagcopies());
        m1.recrnewIssue("2023-24");
        Publication p2=m1;
        System.out.println("ENTER MAGAZINES SALE COPIES :");
        int mc=s.nextInt();
        p2.salecopy(mc);
    }
}

```

```
        System.out.println("TOTAL SALE PUBLICATION IS :  
"+Magazine.total);  
    }  
}
```

```

package mypack;
public class Publication
{
    String title;
    int price;
    int copies;
    static int total=0;

    void settitle(String title)
    {
        this.title=title;
    }
    String gettitle()
    {
        return title;
    }
    void setprice(int price)
    {
        this.price=price;
    }
    int getprice()
    {
        return price;
    }
    void setcopies(int copies)
    {
        this.copies=copies;
    }
    int getcopies()
    {
        return copies;
    }
    double salecopy(int qty)
    {
        System.out.println("TOTAL PUBLICATION SALE IS
:"+ (qty*price));
        return qty*price;
    }
}

```