

A bookshop maintains the entries of books . Whenever a customer wants a book it gives message "Not available in stock" if value of stock =0 or gives details of book available Ask for no. of copies required and simultaneously update the stocks

```
import java.io.*;
class book
{
    int id;
    String author;
    String title;
    String publisher;
    double cost;
    int stock_pos;

    book(int i,String a,String t,String p,double c,int sp)
    {
        id=i;
        author=a;
        title=t;
        publisher=p;
        cost=c;
        stock_pos=sp;
    }

    void display()
    {
```

```
System.out.println("DETAILS: ");
System.out.println("Author: "+author);
System.out.println("Title: "+title);
System.out.println("Publisher: "+publisher);
System.out.println("Cost: "+cost);
}
}
class bookshop
{
public static void main(String arg[])
{
book b1[]=new book[5];
b1[0]=new book(111,"abc1","xyz1","pqr1",345.69,0);
b1[1]=new book(222,"abc2","xyz2","pqr2",450.90,17);
b1[2]=new book(333,"abc3","xyz3","pqr3",300.60,19);
b1[3]=new book(444,"abc4","xyz4","pqr4",589.12,5);
b1[4]=new book(555,"abc5","xyz5","pqr5",165.76,14);

DataInputStream ins=new DataInputStream(System.in);
int idt=0,qty=0,i;

try
{
System.out.print("Enter the id of book u want ");
idt=Integer.parseInt(ins.readLine());
```

```
    }
    catch(IOException e)
    { }

    for(i=0;i<5;i++)
    {
        if(b1[i].id==idt)
        {
            if(b1[i].stock_pos==0)
                System.out.print("Not available in stock");
            else
            {
                b1[i].display();
                try
                {
                    System.out.print("Enter no. of copies required ");
                    qty=Integer.parseInt(ins.readLine());
                }
                catch(IOException e)
                { }

                if(b1[i].stock_pos<qty)
                    System.out.print("Not enough copies in stock");
                else
                    b1[i].stock_pos=b1[i].stock_pos-qty;
            }
        }
    }
}
```

```
        break;
    }
}

if(i==5)
    System.out.print("No such book available ");
}
}
```

Output:

```
C:\Documents and Settings\Administrator\Desktop\java\New Folder>java bookshop
Enter the id of book u want 3
No such book available
C:\Documents and Settings\Administrator\Desktop\java\New Folder>java bookshop
Enter the id of book u want 111
Not available in stock
C:\Documents and Settings\Administrator\Desktop\java\New Folder>java bookshop
Enter the id of book u want 222
DETAILS:
Author: abc2
Title: xyz2
Publisher: pqr2
Cost: 450.9
Enter no. of copies required 2
```

www.W3Professors.Com