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pgdac-kharghar august 2025 batch

java Assignment 2

```java
import java.util.*;
class Library
{
    public static void main(String args[])
    {

        ReadersLibrary rl = new ReadersLibrary();
        Book[] b1 = rl.addBook();      //getting books
        //Book b1= new Book();
        ReadersLibrary.totalbook();

        for(Book b : b1)
        {
        System.out.println("book details -> "+b.toString());
        }
    }

}

class Book{

    int book_id;
    String book_title, book_author;

        Book(){}
        Book(int book_id, String book_title, String book_author)
        {
            this.book_id=book_id;
            this.book_title=book_title;
            this.book_author=book_author;
        }

        //setter
        public void setbookid(int book_id)
        {
            this.book_id=book_id;
        }
        public void setbooktitle(String book_title)
        {
            this.book_title=book_title;
        }
        public void setBookauthor(String book_author)
        {
```

```java
        this.book_author=book_author;
    }

    //getter
    public int getBookid()
    {
        return book_id;
    }
    public String getBookTitle()
    {
            return book_title;
    }
    public String getAuthor()
    {
        return book_author;
    }

    public String toString()
    {
        return "{book id = "+this.book_id+" book title = "+this.book_title+"
book authoer = "+this.book_author+"}";
    }
}

class ReadersLibrary{

    static int totalbook;

    public static void totalbook()
    {
        System.out.println("total book - "+totalbook);
    }
    public Book[] addBook()
    {
        Scanner sc = new Scanner(System.in);
        Book[] barray = new Book[2];

        for(int i=0;i<2;i++)
        {
            System.out.println("Add book "+(i+1)+" details -> ");

            System.out.print("enter book id :- \b");
            int book_id=sc.nextInt();
            sc.nextLine();

            System.out.print("enter book title :- \b");
            String book_title=sc.nextLine();
            System.out.print("enter book authore :- \b");
            String book_author=sc.nextLine();

            barray[i]=new Book(book_id,book_title,book_author);

            totalbook++;
        }
```

```java
        for(int i=0;i<2;i++)
        {

            System.out.println(" THE DETAIL OFF BOOK YOU ENTER \n"+" Book id = >
"+barray[i].getBookid()+" \nbook title => "+barray[i].getBookTitle()+"\nbook
authoer => "+barray[i].getAuthor());
        }

        return barray;

    }

}
```

```
D:\java\Assignment2\Qur 17, 18, 19, 20>javac Library.java

D:\java\Assignment2\Qur 17, 18, 19, 20>java Library.java
Add book 1 details ->
enter book id :-454
enter book title :-The six pillar of self-esteem
enter book authore :-Nathaniel
Add book 2 details ->
enter book id :-666
enter book title :-10 days to self-esteem
enter book authore :-david
 THE DETAIL OFF BOOK YOU ENTER
 Book id = > 454
book title => The six pillar of self-esteem
book authoer => Nathaniel
 THE DETAIL OFF BOOK YOU ENTER
 Book id = > 666
book title => 10 days to self-esteem
book authoer => david
total book - 2
book details -> {book id = 454 book title = The six pillar of self-esteem book
authoer = Nathaniel}
book details -> {book id = 666 book title = 10 days to self-esteem book authoer =
david}
```

```java
    import java.util.*;
class TicketBooking
{
    String passName;
```

```java
    static int ticketNo=5001;

    TicketBooking(String passName)
    {
        this.passName=passName;
        ticketNo++;
    }

    //getter
    public String getpassName()
    {
        return passName;
    }

    public static TicketBooking[] getData()
    {
        Scanner sc = new Scanner(System.in);
        TicketBooking[]  tb = new TicketBooking[2];

        for(int i=0;i<2;i++)
        {
            System.out.print("passinger name - ");
            String passName = sc.nextLine();

            tb[i]= new TicketBooking(passName);

        }
        return tb;
    }
    public static void display(TicketBooking[] tb)
    {
        for(TicketBooking printDetails : tb)
        {
            System.out.println("Ticket No: "+TicketBooking.ticketNo+", Passenger:
"+printDetails.getpassName());
        }

        for(int i=0;i<2;i++)
        {
                System.out.println("Ticket No: "+TicketBooking.ticketNo+",
Passenger: "+tb[i].getpassName());
        }
    }

    public static void main(String args[])
    {
        TicketBooking[] tstoredata = TicketBooking.getData();
        TicketBooking.display(tstoredata);

    }
}
```

```
D:\java\Assignment2\Qur 17, 18, 19, 20>java TicketBooking.java
passinger name - ragini
passinger name - ragini
Ticket No: 5003, Passenger: ragini
Ticket No: 5003, Passenger: ragini
Ticket No: 5003, Passenger: ragini
Ticket No: 5003, Passenger: ragini
```