Lab programme 3

```
import java.util.Scanner;
class Book {
    private String name;
    private String author;
    private int price, num_pages;
    Scanner sc=new Scanner(System.in);
    Book(){
        name="I am ";
        author="nastre";
        price=200;
        num_pages=225;
    }
    public void setData()
        System.out.println("Enter name, author, price, number of pages");
        name=sc.nextLine();
        author= sc.nextLine();
        price=sc.nextInt();
        num_pages=sc.nextInt();
    }
    public String getName() {
        return name;
    }
    public String getAuthor() {
        return author;
    }
    public int getPrice() {
        return price;
    }
    public int getNum_pages() {
        return num_pages;
    }
    public String toString()
        return (name+" "+author+" "+price+" "+num_pages);
    }
}
```

Lab programme 3

```
class BookInfo{
    public static void main(String[] args) {
        Scanner sct=new Scanner(System.in);
        System.out.println("enter number of books ");
        int n=sct.nextInt();
        Book[] booksInfo=new Book[n];
        for(int i=0;i<n;i++)</pre>
            booksInfo[i]=new Book();
            booksInfo[i].setData();
        }
        for(int i=0;i<n;i++) {
            System.out.println("details of the book"+(i+1)+" are : ");
            System.out.println(booksInfo[i].getName());
            System.out.println(booksInfo[i].getAuthor());
            System.out.println(booksInfo[i].getPrice());
            System.out.println(booksInfo[i].getNum_pages());
            System.out.println("details through tostringmethod : "+booksInfo[i]);
        }
    }
}
```

OUTPUT

```
*C:\Program Files\Java\jdk-21\bin\java.exe* *-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2023.2.3\lib\idea_rt.jar=53844:C:\Prograe enter number of books

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Enter name,author,price,number of pages
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```

Lab programme 3 2



LAB PROGRAMME-3

Q Create a class book which contains four members: name, author, price, num pages, Include a constructor to set the values for members Include methods to set and ger the details of the objects is Include a to string() method that display details . Create n book objects import java, util. Scannex; private String name; Private String author; Private int price, num pages; Scanner SC= new Scanner (Systemin); Book() 4 name = "I don't love you anymore"; author = "Nastre"; Price = 200 " + routing 11 1 + 900 ha num_pages = 225; public void set Data () d System. But. print ln ("Enter name, author, price, pages); name = gc. next Line(); bound don't a uthor = sc. nextline (); Price = Sc. nex+In+(); num-pages = sc. nex+ In+ ();

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