

Algorithm

SONA ROOPA Page No.

Date

step 1 : start, class book

step 2 : take input from user for name, author, price and no of pages using constructor

step 3 : toString

return "Name is: " + name + " Author " + author + " Price " + price +
" no of pages " + no of pages

end class book

class test

step 4 : Book ob[] = new book[n]

for i = 0 to n

+ take input from user each object and its instance variable

step 5 : for i = 0 to n

display ob[i]

step 6 : end

Code.

```
import java.util.*;

public class lab3
{
    public static String name;
    public static String author;
    public static double price;
    public static int no_of_page;
    public static void (String args[])

    Scanner sc = new Scanner(System.in);
    int n;
    System.out.println("Enter the number of books");
    n = sc.nextInt();
    lab_program3[] ob = new lab_program3[n];
    for (int i = 0; i < n; i++)
    {
        System.out.println("Enter the name of the book " + (i+1));
        name = sc.next();
        System.out.println("Enter the name of author of book " + (i+1));
        author = sc.next();
        System.out.println("Enter the number of pages in book " + (i+1));
        no_of_page = sc.nextInt();
        System.out.println("Enter the price of the book " + (i+1));
        price = sc.nextInt();
        ob[i] = new lab_program3(name, author, price, no_of_page);
    }
    for (int i = 0; i < n; i++)
    {
        System.out.println("Displaying the details of the book "
            + (i+1));
    }
}
```



```

system.out.println();
system.out.println(cob[i]);

```

```

}
}

```

```

public class lab-program3
{

```

```

    public String name;

```

```

    public String author;

```

```

    public double price;

```

```

    public int no-of-pages;

```

```

    public lab-program3(String n, String a, double pri, int pages)
    {

```

```

        name = n;

```

```

        author = a;

```

```

        price = pri;

```

```

        no-of-pages = pages;
    }

```

```

    @Override

```

```

    public String toString()
    {

```

```

        return "Name of the book is: " + name + ", An Author.
of the book is: " + author + " In Cost of the book is: " +
price + " In number of pages in the book is " + no-of-pages;
    }
}

```

```

}

```