Lab - 3 :-

```java
import java.util.*;
class Book {
        String b_name1;
        String author1;
        int    num_pages;
        int    price1;
    Book (String b_name, String author, int price,
                             int pages) {
            b_name1 = b_name;
            author1 = author;
            price1 = price;
            num_pages = pages;
        }
    public String toString () {
        return (" Book name: "+b_name1+
              " Author: " + author1 +
              " Price = " + price1 +
              " Number of pages : " + num_pages);
        }
    }

public class testMain {
        public static void main(String args[]) {
        String b_name, author;
        int pages, price;
        Scanner in = new Scanner (System.in);
        System.out.println(" Enter number of books :");
            int n = in.nextInt ();
            in. nextLine ();
```

```java
Book ob[] = new Book[n];
for (int i = 0; i < n; i++) {
    System.out.println("Enter book name, author,
                        price and pages");
    b_name = in.nextLine();
    author = in.nextLine();
    price = in.nextInt();
    pages = in.nextInt();
    in.nextLine();
    ob[i] = new Book(b_name, author, price,
                     pages);
}
for (int i = 0; i < n; i++) {
    System.out.println(ob[i]);
}
}
}
```

Algorithm :-

Step 1 : Start

Step 2 : Constructor define to initialize member methods book name, author, price pages

Step 3 : A function defined to ~~overload~~ . overwrite print function of any . object to given string.

Step 4 : An array of Object is made ie, ⑩ various number of books by input on size.

Step 5 : values initialized per array instantiated

Step 6 : Details printed

Step 7 : END.