

### Lab Program 3:

Create a class **Book** which contains four members: **name**, **author**, **price**, **num\_pages**. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a **toString( )** method that could display the complete details of the book. Develop a Java program to create n book objects.

### OUTPUT:

```
C:\Users\anosh\OneDrive\Desktop\java practice>java bmain
Enter the number of books:
2
Type information of book 1
Enter the book name, author, price and number of pages:
Harry Potter
JK Rowling
1000
2300
Type information of book 2
Enter the book name, author, price and number of pages:
Tale of Two Cities
Charles Dickens
750
1500

Book 1Details: Name    Author    Price    no_of_pages
Harry Potter JK Rowling 1000.0 2300

Book 2Details: Name    Author    Price    no_of_pages
Tale of Two Cities Charles Dickens 750.0 1500
```

## WRITTEN CODE:

### LAB Program 3

2/12/22

```
import java.util.Scanner;
```

```
class Book book {
```

```
    String name, author;
```

```
    double price;
```

```
    int num-pages;
```

```
    void book() {
```

```
        this.name = "This is a Book";
```

```
        this.author = null;
```

```
        this.price = 0.0;
```

```
        this.numpages = 0;
```

```
    }
```

```
    void setd() {
```

```
        Scanner ss = new Scanner(System.in);
```

```
        System.out.println("Enter the book name,  
author, price, number of pages: ");
```

```
        this.name = ss.next();
```

```
        this.author = ss.next();
```

```
        this.price = ss.nextDouble();
```

```
        this.numpages = ss.nextInt();
```

```
    }
```

```
    public String toString() {
```

```
        return (name + " " + author + " " + price + " " + numpages);
```

```
void display() {
```

```
    System.out.println("Book name is : " + this.name);  
    System.out.println("Author's name is : " + this.author);  
    System.out.println("Price of book : " + this.price);  
    System.out.println("Book has " + num-pages + " pages");
```

```
}
```

```
}
```

```
class main {
```

```
    public static void main (String ss[]) {
```

```
        int n;
```

```
        Scanner x = new Scanner (System.in);
```

```
        System.out.println("Enter the number of books: ");
```

```
        n = x.nextInt();
```

```
        book B books[] = new book [n];
```

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

```
            books[i] = new book();
```

```
        }
```

```
        int m = n;
```

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

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

```
    System.out.println("Type inform of book" + (i+1));  
    books[i].setd;
```

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

```
    System.out.println("Book" + (i+1) + "Details:");
```

```
    System.out.println("Name Author Price Num-of-pgs");
```

```
    System.out.println(books[i]); // toString y y y
```

