Lab 3

```java
import java.util.*;
class Book
{
    String name, author;
    int price, numPages;
    Book (String name, String author, int price, int numPages)
    {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }

    public String toString()
    {
        System.out.println("Name: " + this.name);
        System.out.println("Author: " + this.author);
        System.out.println("Price: " + this.price);
        System.out.println("Number of pages: " + this.numPages);
        return this.name + this.author + this.price + this.numPages;
    }
} // end of class


public class BookMain
{
    public static void main (String args[])
    {
        System.out.println("Pratham Ganapath, \t 1BM22CS206);
        Scanner SC = new Scanner (System.in);
        int i, n, price, numPages;
        String name, author;
        System.out.println("Enter number of books");
        n = SC.nextInt();
```

```java
        Book  b[] = new Book[n];
        for (i = 0; i < n; i++)
        {
                System.out.println("Enter Name of th Book");
                name = SC.next();
                System.out.println("Enter name of the author");
                author = SC.next();
                System.out.println("Enter the price");
                price = SC.nextInt();
                System.out.println("Enter number of pages");
                numPages = SC.nextInt();
                b[i] = new Book(name, author, price, numPages);
        }
        for (i = 0; i < n; i++)
        {
                System.out.println("Book " + (i+1) + " detail:");
                b[i].toString();
                System.out.println();
        }
    }
}
```

Output: Pratham Ganapathy   1BM22CS206
Enter number of books
2
Enter name of author the book
b1
Enter name of the author
a1
Enter the price
10
Enter the number of pages
12

Enter name of the book
b2
Enter name of the author
a2
Enter the price
11
Enter number of pages
13

Book1 details:
Name: b1
Author: a1
Price: 10
Number of pages: 12

Book2 details:
Name: b2
Author: a1
Price: 11
Number of pages: 13

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