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 books objects.

```java
import java.util.Scanner;

class Books {
    String name, author;
    int price, numPages;

    Books(String name, String author, int price, int numPages) {
        this.name = name;
        this.author = author;
        this.price = price;
        this.numPages = numPages;
    }
    public String toString() {
        String name, author, price, numPages;
        name = "Book name is: " + this.name + "\n";

        price = "Price :
        author = "Author name : " + this.author + "\n";
```

```java
        price = "Price : " + this.pirice + "\n";
        numPages = "Number of pages : "
                    "this.numPage,t"\n";
        return name + author + price +
                                numPages;
    }
}

class BookMain{
    public static void main (String [] args)
    {
        Scanner sc = new Scanner (System.in);
        int n;
        String name, author;
        int price, numPages;
        System.out.println ("Enter the
                number of books");
        n = sc.nextInt();
        Books b[] = new Books [n];
        System.out.println("Enter Name,
        author, price and number of pages");
        for (int i = 0; i < n; i++){
            name = sc.next();
            author = sc.next();
            price = sc.nextInt();
            numPages = sc.nextInt();
            b[i] = new Books (name, author,
                        price, numPages);
        }
        System.out.println ("Book details :");
        for(int i = 0; i < n; i++){
            System.out.println (b[i].toString());
        }
    }
}
```

Output:
Enter the number of books:
2
Enter Name, author, price and number of pages:
ABC murder
Agatha
300
400

Panchatantra
Vishnu
200
300

Book details:
Book name is: ABC murder
Author name: Agatha
Price: 300
Number of pages: 400

Book name is: Panchatantra
Author name: Vishnu
Price: 200
Number of pages: 300

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