Lab - 3

Create a class Book which contains four mem
-bers : name, author, price, num_pages. Inc-
-lude a constructor to set the values for the
members. Include a toString() method that
could display the complete details of book.
Develop a Java program to create n book obje-
-cts.

```java
import java.util.Scanner;
class Book{
    String name;
    String author;
    int price;
    int num_pages;

    Book( String name, String author, int price
              , int num_pages) {
    this.name = name;
    this.author = author;
    this.price = price;
    this.num_pages = num_pages;
    }

    String toString() {
        String name, author, price, num_pages;
        name = " Book name: "+ this.name + "\n";
        author = " Book author: " + this.author +
                          "\n";
```

```
price = "Price : " + this. price + "\n";
num_pages = " Number of pages : " + this. num.
             pages + "\n";
return (name + author + price + num_pages);
}


public static void main (String args[]) {
    Scanner s = new Scanner (System.in);
    int n;
    String name;
    String author;
    int price;
    int num_pages;

    System. out. println (" Enter the no. of book
           - s : ");
    n = nextInt();

    Book b[] = new Book [n];

    for (int i = 0; i < n; i++) {
    System. out. print (" Enter name of book:"
    Scanner.n S. nextline ();
    name = s. nextLine ();


    System. out. print (" Enter author of
         the book : ");
    author = s. nextLine ();
```

```
System.out.print ("Enter auth the price of the
        book:");
price = s.nextInt();

System.out.print (" Enter the number of
    pages of book:");
num_page = s.nextInt();

    b[i] = new Book (name, author, price, num_pa-
                -ge);
    }

System.out.println ("/n Book Details:");
for (int i = 0; i<n; i++) {
    System.out.println ("Book "+ (i+1) +{": \n"
            + b[i]}; . toString());
    }
  }
}
}
```

Output :
c:\Users\Admin\Desktop\2023BMS02541>javac
                    Book.java

    >P java Book

Enter the no. of books :
2
Enter name of book :

The god of small things
Enter author of a book:
Arundhati Roy
Enter the price of book:
899
Enter the no. of pages of book:
450
Enter name of book:
The Guide
Enter author of a book:
R. K. Narayan
Enter the price of book:
999
Enter the no. of pages of book:
650
Book Details:
Book 1:
Book Name: The god of small things
Author name: Arundhati Roy
Price: 899
Number of pages: 450
Book 2:
Book name: The Guide
Author name: R. K. Narayan
Price: 999
Number of pages: 650