LAB PROG-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 object. Include a toString() method that could display the complete details of the book. Develop a Java program to create n book objects.

```
import java.util.Scanner
class Book
{
String name, 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;
}
public String toString() {
  String n, a, p, N;
n = "\n" + "Name of Book: " + name + "\n";
a = "Author of Book: " + author + "\n";
p = "Price of Book: " + price + "\n";
N = "Number of pages: " + num_pages +
"\n";
Return n + a + p + N;
}
}
```

```
class Books
 {
 public static void main (String args[])
 {
  Scanner sc = new Scanner (System.in);
 System.out.println ("\n Enter number of
 books: ");
 int n = sc.nextInt ();
 Book b[] = new Book[n];
 String name, author;
 int price, num;
 sc.nextLine ();
 for (int i=0; i<n; i++) {
 System.out.println ("Enter name of book:");
 name = sc.nextLine ();
 System.out.println ("Enter author's name:");
 author = sc.nextLine ();
 System.out.println ("Enter price: ");
 price = sc.nextInt ();
 system.out.println( "Enter number of
 pages: ");
 num = sc.nextInt ();
 b[i] = new Book (name, author, price, num)
 }
 System.out.println ("Books details: ");
 for (int i=0; i<n; i++) {
 System.out.println (b[i].toString ());
  }
 }
 }
```

Output:

```
Enter numbers of books:
2
Enter name of book:
Invincible
Enter author's name:
Jack
Enter price:
1500
Enter numbers of pages:
120
Enter name of book:
Raise
Enter author's name:
Tim
Enter price:
1800
Enter number of pages:
250

Book Details:
Name of Book: Invincible
Author of Book: Jack
Price of Book: 1500
Number of pages: 120

Name of Book: Raise
Author of Book: Tim
Price of Book: 1800
Enter number of pages: 250
```

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