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.

```
import java.util.Scanner;


class Book {
    String name;
    String author;
    int price;
    int numPages;

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

    void setName(String name) {
        this.name = name;
    }
   void setAuthor(String author) {
```

```
    this.author = author;
 }
  void setPrice(int price) {
    this.price = price;
 }
void setNumPages(int numPages) {
    this.numPages = numPages;
 }

 String getName() {
    return name;
 }
 String getAuthor() {
    return author;
 }
 int getPrice() {
    return price;
 }
 int getNumPages() {
    return numPages;
 }



@Override
```

```
public String toString() {
    return "Book name='" + name + "'" +
            "\nauthor name='" + author + "'" +
            "\nprice of the book=" + price +
            "\nnum. of pages=" + numPages + "\n";
}



}

public class Program3 {
    public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);

    System.out.print("Enter number of books to create: ");
    int n = scanner.nextInt();
     scanner.nextLine();

    Book[] books = new Book[n];

    for (int i = 0; i < n; i++) {
        System.out.print("Book name : ");
        String name = scanner.nextLine();
        System.out.print("Author name : ");
```

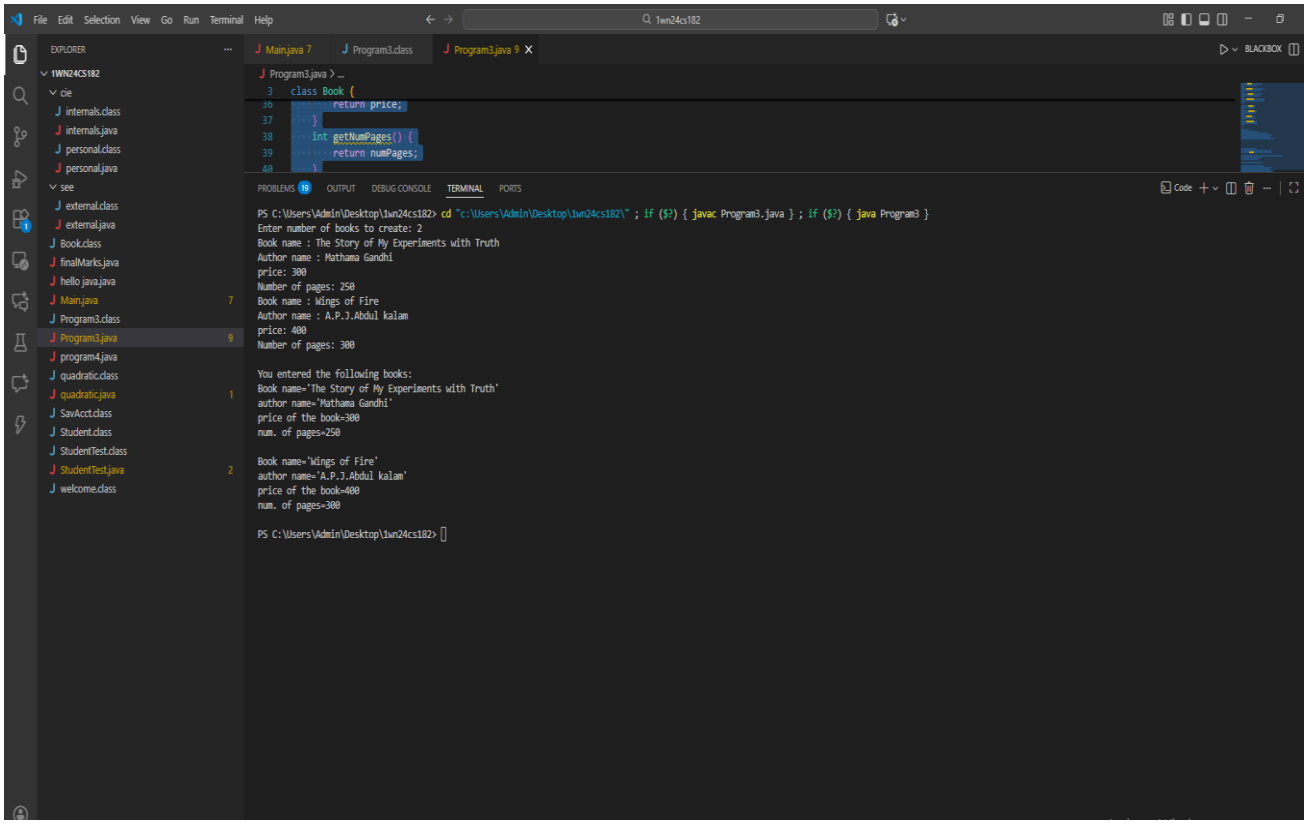
```
        String author = scanner.nextLine();
        System.out.print("price: ");
        int price = scanner.nextInt();
         System.out.print("Number of pages: ");
        int numPages = scanner.nextInt();
         scanner.nextLine();

            books[i] = new Book(name, author, price, numPages);
        }

        System.out.println("\nYou entered the following books:");
        for (int i = 0; i < n; i++) {
            System.out.println(books[i]);
        }


    }
}
```

OUTPUT:


File Edit Selection View Go Run Terminal Help
1wn24cs182
EXPLORER
1WN24CS182
cie
internals.class
internals.java
personal.class
personal.java
see
external.class
external.java
Book.class
finalMarks.java
hello java.java
Main.java 7
Program3.class
Program3.java 9
program4.java
quadratic.class
quadratic.java 1
SavAcct.class
Student.class
StudentTest.class
StudentTest.java 2
welcome.class
Main.java 7
Program3.class
Program3.java 9
BLACKBOX
Program3.java > ...
3 class Book {
36 return price;
37 }
38 int getNumPages() {
39 return numPages;
40 }
PROBLEMS 19
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Code
PS C:\Users\Admin\Desktop\1wn24cs182> cd "c:\Users\Admin\Desktop\1wn24cs182\" ; if ($?) { javac Program3.java } ; if ($?) { java Program3 }
Enter number of books to create: 2
Book name : The Story of My Experiments with Truth
Author name : Mathama Gandhi
price: 300
Number of pages: 250
Book name : Wings of Fire
Author name : A.P.J.Abdul kalam
price: 400
Number of pages: 300
You entered the following books:
Book name='The Story of My Experiments with Truth'
author name='Mathama Gandhi'
price of the book=300
num. of pages=250
Book name='Wings of Fire'
author name='A.P.J.Abdul kalam'
price of the book=400
num. of pages=300
PS C:\Users\Admin\Desktop\1wn24cs182>