Program

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

    void Book(){
        name = null;
        author = null;
        price = 0.0;
        num_pages = 0;
    }

    void getDetails(){
        System.out.println("Enter the details of book:");
        Scanner sl = new Scanner(System.in);
        name = sl.next();
        author = sl.next();
        price = sl.nextDouble();
        num_pages = sl.nextInt();
    }

    public String toString(){
        return("The title of book:" +name+ " "+ "Author:"+author
            + " "+ "Price"+ price + " "+ "Number of pages"
                + num_pages);
    }
}
```

```java
class BookMain{
    public static void main(String ss[]){
        Scanner s2 =new Scanner(System.in);
        System.out.println(" Enter number of books:");
        int n= s2.nextInt();
        Book b[] = new Book[n];
        for(int i=0; i<n; i++){
            System.out.println("Enter the details of book:"+(i+1));
            b[i] = new Book();
            b[i].getDetails();
        }
        for(int i=0; i<n; i++){
            System.out.println(" The details of book"+(i+1));
            System.out.println(b[i]);
        }
    }
}
```

Algorithm

i] Create a class Book with objects name, author, price, num_pages.

ii] create a default constructor.

iii]. Get the Details of Book for user.

iv] By using toString() method print the details of all the Books.

vi]. Create class Book Main and the get the details and print by creating array of objects

```java
import java.util.Scanner;
class Book{
    String name;
    String author;
    Double price;
    int num_pages;
    void Book(){
        name=null;
        author=null;
        price=0.0;
        num_pages=0;
    }


    void getDetails(){
        System.out.println("Enter the details of book:");
        Scanner s1=new Scanner (System.in);
        name=s1.next();
        author=s1.next();
        price=s1.nextDouble();
        num_pages=s1.nextInt();
    }
    public String toString(){
        return("The title of book:"+name+" "+"Author:"+author+" "+"Price:"+price+" "+"Number of pages"+num_pages);
    }
}

class BookMain{
    public static void main(String x[]){
        Scanner s2=new Scanner (System.in);
        System.out.println("Enter the number of books:");
        int n=s2.nextInt();
        Book b[]=new Book[n];
        for(int i=0;i<n;i++){
            System.out.println("Enter the details of book:"+(i+1));
            b[i]=new Book();
            b[i].getDetails();
        }
        for(int i=0;i<n;i++){
            System.out.println("The details of book"+(i+1));
            System.out.println(b[i]);
        }

    }
}
```

```
Command Prompt                                                    —   □   ×

C:\Users\Manoj H A\Documents>java BookMain
Enter the number of books:
3
Enter the details of book:1
Enter the details of book:
aaa
bbb
500.00
400
Enter the details of book:2
Enter the details of book:
ccc
ddd
300.00
600
Enter the details of book:3
Enter the details of book:
rrr
eee
1000.00
400
The details of book1
The title of book:aaa Author:bbb Price:500.0 Number of pages400
The details of book2
The title of book:ccc Author:ddd Price:300.0 Number of pages600
The details of book3
The title of book:rrr Author:eee Price:1000.0 Number of pages400

C:\Users\Manoj H A\Documents>
```