Date :

Book Database

```
import java.util.Scanner;

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

    Scanner input = new Scanner(System.in);

    Books() { }

    void accept()
    {
        System.out.print("Enter name of book");
        name = input.nextLine();
```

System.out.print("Enter name of author: ");
author = input.nextLine();
System.out.print("Enter price of the book: ");
price =
num_pages = input.nextInt();
System.out.print("\n");
}

public String toString()
{
String name, author, price, num_pages;
name = "Book name" + this.name + "\n";
author = "Author name: " + this.author + "\n";
price = "Price: " + this.price + "Rs\n";
num_pages = "Number of pages: " + this.num_pages + "pages\n";

return name + author + price + num_pages;
}

}

```
class BookRun
{
public static void main (String [] args)

Scanner input = new Scanner ( System.in );

/* String name, author;
int price, num - page; */

System.out.print(" Enter number of books
int n = input.nextInt();
System.out.println("\n");

Books[] book = new Books[n];

for( int i = 0; i < n ; i++)
{
    System.out.println("Book" +(i+1)+"
    book [i] = new Books();
    book[i].input();
}

for (int i =0; i<n ; i++)
{
  System.out.println ("Book "+(i+1)+"\n" + book
}
input.close();
}
```

Shape

Enter number of books: 2

Book 1:
Enter name of book: Harry Potter & The Chamber of Secrets

Enter Name of author: J. K. Rowling
Enter price of the book: 418
Enter no of pages in book: - 341

Book 2:
Enter name of book: Adventure of Nagakund
Enter names of author: Jay
Enter price of the book: 300
Enter no of pages in the book: 250

Book 1:
Book name: Harry Potter & The Chamber of secrets
Author name: J. K. Rowling
price: 418 Rs
Number of page: 341 page

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Date :

Book 2 :

Book name : Adventures of Naga

Author name : Thoran G

Price : 300 Rs

Number of pages : 250 pages

22/01/24

Deekshith B
1BM22CS082

```
import java.util.Scanner;

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

Scanner input=new Scanner(System.in);

Books(){}

void accept()
{
System.out.print("Enter name of book: ");
name=input.nextLine();
System.out.print("Enter name of author: ");
author=input.nextLine();
System.out.print("Enter price of the book: ");
price=input.nextInt();
System.out.print("Enter no. of pages in the book: ");
num_pages=input.nextInt();
System.out.print("\n");
}
```

```
public String toString()
{
String name,author,price,num_pages;
name="Book name: " + this.name + "\n";
author="Author name: " + this.author + "\n";
price="Price: " + this.price + " Rs\n";
num_pages="Number of pages: " + this.num_pages + " pages\n";

return name + author + price + num_pages;
}
}

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

System.out.print("Enter number of books: ");
int n=input.nextInt();
System.out.print("\n");

Books[] book=new Books[n];

for(int i=0;i<n;i++)
{
System.out.println("Book " + (i+1) + ": ");
book[i]=new Books();
book[i].accept();
}
```

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

input.close();
}
}
```

Output:

Enter number of books: 2

Book 1:

Enter name of book: Java book1

Enter name of author: Deekshith

Enter price of the book: 420

Enter no. of pages in the book: 200

Book 2:

Enter name of book: Java Book 2

Enter name of author: Dixit

Enter price of the book: 300

Enter no. of pages in the book: 150

Book 1:

Book name: Java book 1

Author name: Deekshith

Price: 420 Rs

Number of pages: 200 pages

Book 2:

Book name: Java book 2

Author name: Dixit

Price: 300 Rs

Number of pages: 150 pages