

Program-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 a method 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 a book objects.

```
import java.util.Scanner;
class Book
```

```
{
```

```
    String name, author;
```

```
    double price;
```

```
    int num_pages;
```

```
    Book()
```

```
{
```

```
        name = " "; author = " ";
```

```
        price = 0.0, num_pages = 0;
```

```
}
```

```
    void input()
```

```
{
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.println("Enter the name of the book");
```

```
        name = s.nextLine();
```

```
        System.out.println("Enter author of the book");
```

```
        author = s.nextLine();
```

```
        System.out.println("Enter the price of the book");
```

```
        price = s.nextDouble();
```


System.out.println("Enter no. number of
pages");

num pages = s.nextInt();

}
public String to String()

{
return ("Name: " + name + " In Author:
author + " In price: " + price + "
In Number of pages: " +
num pages + " In");

}

}
class Book name

{

public static void main(String x[])

{
Scanner s = new Scanner(System.in);
System.out.println("Enter the number
of books");

int n = s.nextInt();

Book books[] = new Book[n];

for(int i = 0; i < n; i++)

{
books[i] = new Book();

books[i] = input();

System.out.println("Book Details");

System.out.println(books[i].toString());

}

}

}

Output:-

Enter the number of books:

1

Enter the name of the book:

Power of thinking

Enter the author of the book:

James

Enter the price of the book:

450

Enter the number of pages: ~~450~~

200

Book Details:

Name: Power of thinking

Author: James

Number of pages: 200

Enter the number of books:

2

Enter the name of the book:

Power of thinking

Enter the author of the book:

James

Enter the price of the book:

450

Enter the number of pages of the book:

200

BOOK DETAILS:

NAME: Power of thinking

AUTHOR: James

PRICE: 450.0/-

NUMBER OF PAGES: 200

Enter the name of the book:

think like a monk

Enter the author of the book:

jay shetty

Enter the price of the book:

500

Enter the number of pages of the book:

450

BOOK DETAILS:

NAME: think like a monk

AUTHOR: jay shetty

PRICE: 500.0/-

NUMBER OF PAGES: 450