

Create a class Book which contains objects & constructor & methods. Develop a Java program to create n book objects.

```
import java.util.Scanner;
{
    class Books
    {
        String name;
        String author;
        int price;
        int numPages;

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

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

```
public class Mainbooks
{
    public static void main(String[] args)
    {
        Scanner s = new Scanner(System.in);
        int n;
        int i;
        String name;
        String author;
        int price;
        int numPages;
        System.out.println("Enter number of books : ");
        n = s.nextInt();
        Books b[];
        b = new Books[n];
        for(i=0; i<n; i++)
        {
            System.out.println("Enter the details of book "
                + (i+1) + ": ");
            System.out.println("Enter the name of book : ");
            name = s.next();
            System.out.println("Enter the author name : ");
            author = s.next();
            System.out.println("Enter the price : ");
            price = s.nextInt();
            System.out.println("Enter the number of pages : ");
            numPages = s.nextInt();
            b[i] = new Books(name, author, price, numPages);
        }
    }
}
```

```
System.out.println("Book Details : ");
for(i=0; i<n; i++)
{
```

```
    {
        System.out.println(b[i]);
    }
}
```

OUTPUT:

Enter the number of books : 2

Enter the details of book 1 :

Enter the name of the book : javaCompleteReference

Enter the author name : Heribert

Enter the price : 1000

Enter the number of pages : 1034

Enter the details of book 2 :

Enter the name of the book : Ramayana

Enter the author name : valmiki

Enter the price : 1200

Enter the number of pages : 1200.

Book details :

Book name : JavaCompleteReference

author name : heribert

price : 1000

number of pages : 1034

Book name : Ramayana

author name : valmiki

price : 1200

number of pages : 1200

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