

3> the details of the objects. Include a toString() method that could display the complete details of the book. Develop a java program to create book objects.

```
import java.util.Scanner;
```

```
class Book {
```

```
    String bname, author;
```

```
    int price, nop;
```

```
    Book() {}
```

```
    Book(String bnam, String auth, int p, int np)
```

```
{ bname = bnam;
```

```
  author = auth;
```

```
  price = p; nop = np;
```

```
}
```

```
    void setd()
```

```
{ Scanner ss = new Scanner(System.in);
```

```
  System.out.println("Enter book details:");
```

```
  bname = ss.next(); author = ss.next();
```

```
  price = ss.nextInt(); nop = ss.nextInt(); }
```

```
    void getd()
```

```
{
```

```
  System.out.println("Book details are:");
```

```
  System.out.println("Name: " + bname);
```

```
  System.out.println("Author: " + author +
```

```
    "In price in nop);
```

```
}
```

```
    public String toString()
```

```
{
```

```
  System.out.println("Details are:");
```

```
  return (bname + " " + author + " " + price + " " +
```

```
    nop);
```

```

public class main
{
    public static void main (String[] args)
    {
        int n;
        Book b1 = new Book ("Harry Potter", "Rony",
                               550, 235);
        b1.getd();
        Scanner sa = new Scanner (System.in);
        System.out.println ("Enter n:");
        n = sa.nextInt();
        Book b[] = new Book [n];
        for (int i=0; i<n; i++)
        {
            b[i] = new Book();
            b[i].setd();
        }
        for (int i=0; i<n; i++)
        {
            System.out.println (b[i].toString());
        }
    }
}

```

Output:

Book details are: Harry Potter Rony 550 235

Enter n: 3

Enter book details:

Ramayan

Ved

768

546

Enter book details:

Mahayud

Vyas

788

364

Enter book details:

Happy Soul

Michelle

678

381

Book details are:

Ramayan ved 768 546

Book details are:

Mahabharat Vyas 788 234

Book details are:

Happy Soul Michelle 678 381

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

    String bname, author;
    int price, nop;
    Book() {}
    Book(String bname, String author, int price, int nop) {

        this.bname = bname;

        this.author = author;

        this.price = price;

        this.nop = nop;
    }

    void setd() {

        Scanner ss = new Scanner(System.in);

        System.out.println("Enter book details:");

        System.out.print("Name: ");

        bname = ss.next();

        System.out.print("Author: ");

        author = ss.next();

        System.out.print("Price: ");

        price = ss.nextInt();

        System.out.print("Number of Pages: ");

        nop = ss.nextInt();
    }
}
```

```

    }

    void getd() {

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

        System.out.println("Name: " + bname);

        System.out.println("Author: " + author);

        System.out.println("Price: $" + price);

        System.out.println("Number of Pages: " + nop);

    }

    public String toString() {

        return "Book Name: " + bname + "\nAuthor: " + author + "\nPrice: " + price + "\nNumber of
Pages: " + nop;

    }

}

class Bookdemo {

    public static void main(String[] args) {

        Book b1 = new Book("Harry Potter", "J.K. Rowling", 550, 276);

        b1.getd();

        Scanner sa = new Scanner(System.in);

        System.out.print("Enter the number of books: ");

        int n = sa.nextInt();

        Book[] books = new Book[n];

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

            books[i] = new Book();

            books[i].setd();

```

```

    }

    System.out.println("\nDetails of all books:");

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

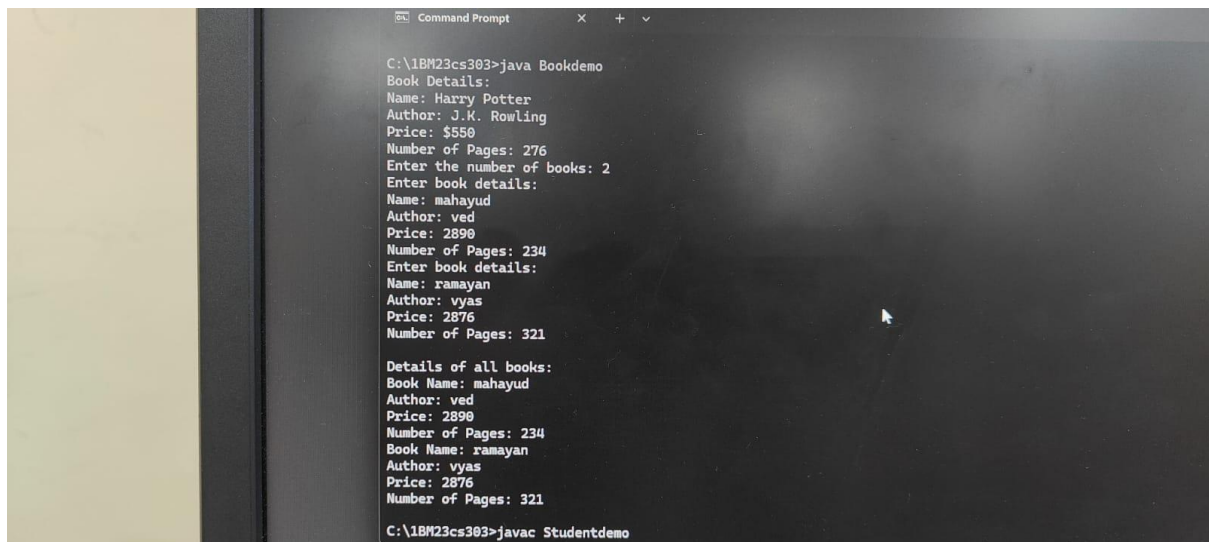
        System.out.println(books[i].toString());

    }

}

}

```



```

C:\BM23cs303>java Bookdemo
Book Details:
Name: Harry Potter
Author: J.K. Rowling
Price: $550
Number of Pages: 276
Enter the number of books: 2
Enter book details:
Name: mahayud
Author: ved
Price: 2890
Number of Pages: 234
Enter book details:
Name: ramayan
Author: vyas
Price: 2876
Number of Pages: 321

Details of all books:
Book Name: mahayud
Author: ved
Price: 2890
Number of Pages: 234
Book Name: ramayan
Author: vyas
Price: 2876
Number of Pages: 321
C:\BM23cs303>javac Studentdemo

```