

Q3 Create a class Book which contains four members :
name, author, price, num_pages. Include a constructor
to set and get the details of the objects. Include a
toString() method that could display the complete
details of the book. Develop a java program to
create a n book object.

=> class Book

```
String name;
```

```
String author;
```

```
int price;
```

```
int num_pages;
```

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

```
Book() {
```

```
    Book(String name, String author, int price, int  
        num_pages) {
```

```
        this.name = name;
```

```
        this.author = author;
```

```
        this.price = price;
```

```
        this.num_pages = num_pages;
```

```
    }
```

```
void get() {
```

```
    System.out.println("Enter Book name : ");
```

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

```
    System.out.println("Enter author name : ");
```

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

```
    System.out.println("Enter price of Book : ");
```

```
    price = scn.nextInt();
```

```
    System.out.println("Enter number of pages : ");
```

```
    num_pages = scn.nextInt();
```

```

void putd() {
    System.out.println("Book name : " + name);
    System.out.println("Author Name : " + author);
    System.out.println("Book Price : " + price);
    System.out.println("Number of pages : " + num_pages);
}

```

```

public String toString() {
    return "Book Name = " + name +
        ", Author Name = " + author +
        ", Book Price = " + price +
        ", Number of pages = " + num_pages +
        "\n";
}

```

```

class BookMain {
    public static void main (String[] args) {
        Scanner scn = new Scanner (System.in);
        Book b = new Book ("Wings of Fire", "APJ Abdul
            Kalam", 250, 500);

        b.putd();
        So, print number of Books
        int n = scn.nextInt();
        Book b1[] = new Book[n];
        for (int i=0; i<n; i++) {
            b1[i].getd();
            b1[i].putd();
        }
        System.out.println("All Details of Books");
        for (int i=0; i<n; i++) {
            System.out.println(b1[i].toString());
        }
    }
}

```


O/P

Book name : Wings of Fire

Author name : APJ Abdul Kalam

Book Price : 250

Number of pages : 500

Enter number of Books : 2

Enter name of book : xyz

Enter author name : Pqr

Enter price : 300

Enter number of pages : 700

Book name : xyz

Author name : pqr

Book Price : 300

Number of pages : 700

Enter name of Book : ABC

Enter author name : abc

Enter price : 450

Enter number of pages : 999

Book name : ABC

Author name : abc

Book price : 450

Number of pages : 999

Books { Book Name = xyz, Author Name = pqr, Book Price = 300

Number of pages = 700 }

Books { Book Name = ABC, Author Name = abc, Book Price = 450,

Number of pages = 999 }