

Q. Create a class Book which contains 4 members: name, author, price, num-pages. Include a constructor to set the values for the members. Include methods to set and get the details of the objects. Include a toString() method that could display the complete details of the book.

P:
 import java.util.Scanner;
 class Books

String name, author;

int price, 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;

}

}

```
class BookRun {
```

```
public static void main (String arg[])
```

```
{
```

```
System.out.println("Anu Sai Shree R In IBM23CS045");
```

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

```
int n, price, numPages;
```

```
String name, author;
```

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

```
n = s.nextInt();
```

```
Books b[];
```

```
b = new Books[n];
```

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

```
{
```

```
System.out.println("Enter name, author, price and  
number of pages of Book "+(i+1)+" :");
```

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

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

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

```
numPages = s.nextInt();
```

```
b[i] = new Books(name, author, price, numPages);
```

```
}
```

```
System.out.println("\n Books Details:");
```

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

```
{
```

```
System.out.println("Book "+(i+1)+" : |n" + b[i]);
```

```
}
```

```
}
```

```
}
```

Output:

Enter number of books:

1

Enter name, author, price and number of pages of Book 1:

bañu

Mahi°

699

200

