


Enter the marks and credits for course 1;

Mark: 90

Credit:

1

the sgpa is : 10.000


19.12.23

26/12/23

Lab-3

```
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 Mainbook
{

```

```

    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 the no of books: ");
        n = s.nextInt();

```

```

        Books b[];

```

```

        b = new Books [n];

```

```

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

```

```

        {

```

```

            System.out.println ("Details of book" + (i+1) + ":");

```

```

            System.out.println ("enter name of book:");

```

```

            name = s.next();

```

```

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

```

```

            author = s.next();

```



```

        System.out.println("price:");
        price = s.nextInt();
        System.out.println("no 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 no of books:

2

Enter the details of book 1:

Enter the name of book:

harry potter

Enter the author name:

J.K. Rowling

Enter the price:

1000

Number of pages:

800

Enter the details of book2:
Enter the name of book:
Revolutionary 2020

author name:
Chethan Bagath

price:

2000

number of pages:

1500

Book details:

Book name: harry potter

Author name: J.K. Rowling

Price: 1000

Number of pages: 300

Book name: Revolutionary 2020

Author name: Chethan Bagath

Price: 2000

number of pages = 1500

[Signature] 26.12-22