```
credits and an array marks. Include methods to accept and display details and a
method to calculate SGPA & CGPA of a student.
NOTE: Add Semester 1 & Semester 2 marks of all subjects and compute SGPA and
CGPA
import java.util.*;
class Student {
  public void acceptDetails() {
      usn = sc.nextLine();
      int n1 = sc.nextInt();
      System.out.println("Enter credits and marks for SEM1: ");
          System.out.println("Marks for subject " + (i + 1) + ": ");
```

```
creditSM2[j] = sc.nextInt();
   marksSM2[j] = sc.nextInt();
sc.close();
double sgpa2 = calculateSGPA(creditSM2, marksSM2);
double cgpa = (sgpa1 + sgpa2) / 2;
System.out.println("CGPA: " + cgpa);
    totalCredits += credits[i];
    weightedSum += credits[i] * calculateGradePoint(marks[i]);
return weightedSum / totalCredits;
```

```
else if (marks >= 50) return 6;
public class MainStudent {
  public static void main(String[] args) {
      student.acceptDetails();
Enter USN:
1WA23CS015
Name:
TARUN
Enter number of subjects in SEM1:
Enter credits and marks for SEM1:
Credits for subject 1:
Marks for subject 1:
80
Credits for subject 2:
Marks for subject 2:
80
Credits for subject 3:
Marks for subject 3:
80
Enter number of subjects in SEM2:
Enter credits and marks for SEM2:
Credits for subject 1:
Marks for subject 1:
80
Credits for subject 2:
Marks for subject 2:
```

```
90
Credits for subject 3:
4
Marks for subject 3:
70
SGPA 1: 9.0
SGPA 2: 8.9090909090908
CGPA: 8.9545454545453
```

```
2. Create a class Book which contains four 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. Display the complete details of the book. Develop a Java program to create n
book
objects.
NOTE: 1: Use normal display method
2: Use Override toString method
Eg: public String toString() {Write code to display data }
import java.util.*;
class Book {
  void setDetails(String name, String author, double price, int pages) {
      this.pages = pages;
```

```
System.out.println("Book pages: " + pages);
  public static void main(String args[]) {
      sc.nextLine();
          System.out.println("Book author: ");
          String author = sc.nextLine();
          book[i].setDetails(name, author, price, pages);
          books.displayDetails();
      sc.close();
Number of books:
```

Name of book: ANNA Book author: HAZARE Book price: 150 Book pages: 500 Name of book: ROCK Book author: DWAYNE Book price: 200 Book pages: 400 Book Details: Book name: ANNA Book author: HAZARE Book price: 150.0 Book pages: 500 Book name: ROCK Book author: DWAYNE Book price: 200.0 Book pages: 400