Using the code developed in tutorial 2, add the following methods to the ArrayCourses class:

- public Course findCourse(Course crs)
- public Course getPrereq(Course crs)
- public Course getPrereq(String code)

Create a class Application that contains a main() with the following statements:

- Create an ArrayCourses object
- Use a scanner to create the following Course objects and insert them in the array:
  - Code: CSC 113; title: Java Programming II; prerequisite: null
  - Code: CSC 342; title: SW Engineering; prerequisite: null
  - Code: CSC 443; title: Project Management; prerequisite: [object CSC 342]
- Create a Class object that correspond to the CSC 443 course
- From the array, retrieve and return the object equal to the CSC 443 object
- Display the code and title of the CSC 443 prerequisite