This course supports the assessments for Software I. The course covers 6 competencies and represents 6 competency units.

**Introduction**

**Overview**

Welcome! This course covers basic software concepts. To complete this course, you will be required to pass the 1Z0-808 (Oracle Certified Associate, Java SE 8 Programmer) exam with a minimum passing score of 65% to obtain your 6 competency units.

Watch the following video for an introduction to this course:

*Note: To download this video, right-click the following link and choose "Save as...": [download video].*

**Getting Started**

If this is your first time using uCertify, take a look at [Navigating uCertify](#) before you begin. Follow your personalized Study Planner: access the Study Planner from anywhere in the course by opening the course menu, selecting "Dashboard," then clicking "Open Study Planner."

The course is divided into ten lessons, each of which is subdivided into several chapters (for example, 1.1 or 3.5). Each of these chapters is designed for you to complete in less than an hour. Try to move through several chapters each day that you work on the course. Once you are ready for the practice exams, be sure to complete them in "test mode" to effectively prepare for your certification exam.

**Competencies**

This course provides guidance to help you demonstrate the following 6 competencies:

- **Competency 4003.1.1: Declaration of Classes and Variables**
  The graduate develops and uses classes and variables in code development.

- **Competency 4003.1.2: Object-Oriented Development**
  The graduate uses object-oriented concepts and programming techniques to develop applications that are flexible and maintainable.

- **Competency 4003.1.3: Flow of Control**
  The graduate applies appropriate control structures to develop robust applications.

- **Competency 4003.1.4: Strings, Streams, and Parsing**
  The graduate uses appropriate Application Programming Interface (API) classes and interfaces to perform efficient string, pattern, and stream processing.

- **Competency 4003.1.5: Inheritance**
  The graduate applies concepts to understand and implement the concepts of
• **Competency 4003.1.6: Handling Exceptions**
The graduate applies concepts to implement and handle exceptions in the Java Programming Environment.

**Course Instructor Assistance**

As you prepare to successfully demonstrate competency in this subject, remember that course instructors stand ready to help you reach your educational goals. As subject matter experts, mentors enjoy and take pride in helping students become reflective learners, problem solvers, and critical thinkers. Course instructors are excited to hear from you and eager to work with you.

Successful students report that working with a course instructor is the key to their success. Course instructors are able to share tips on approaches, tools, and skills that can help you apply the content you're studying. They also provide guidance in assessment preparation strategies and troubleshoot areas of deficiency. Even if things don't work out on your first try, course instructors act as a support system to guide you through the revision process. You should expect to work with course instructors for the duration of your coursework, and you are encouraged to contact them as soon as you begin. Course instructors are fully committed to your success!

**Preparing for Success**

Your learning resource for this course is:

- **uCertify: Oracle Certified Associate Java SE 8 Programmer I by Enthuware**

The readings in uCertify are taken from the following text:


If you prefer working from a hard copy, you may purchase this book from any retailer.

**Lock In Your Progress**

Once you are ready to start or are actively working in the uCertify learning resource, lock in your progress. You only need to complete this step once; any future activity in uCertify will be saved.

**Mark this Activity Complete to Lock In Your Progress**

Click the check mark above or below if you are actively engaged in this course.

**Launch Your Course**

When you are ready to begin the course, click the "Launch Course" button:
Assessment Tips

Congratulations on completing the activities in this course! You are now prepared to complete the associated assessment. If you have not already been directed to complete it, schedule and complete the assessment now.

First Attempt Checklist

To make sure you have the best chance possible to pass the exam on your first attempt, the following steps should be completed successfully before you take it:

1. Complete all 15 pre-assessment questions in UCertify. If you get them all correct, you have a sound Java foundation and you might be able to skip some of the steps in the course.
2. Follow all the steps necessary within in the course and study all the chapters in the textbook.
3. Complete the 5 tests in the Practice Test section. Each test has 75 questions; please make sure you go through all 375 questions and understand the explanation for every single one. (Please make sure you use the compiler when in doubt to understand the concepts better. Remember, you will NOT be allowed to use the compiler during the test.)
4. Complete the post assessment. You are ready to take the test when you score 80% or better in the post assessment.

If you have completed the steps above and you feel comfortable with all of the concepts presented, you are most likely ready to attempt the exam.

If you fail your first attempt, you will be required to contact the course instructor to see what went wrong and how you can prepare to ensure a successful second attempt. After determining you are ready, your course instructor will approve your request once to make another exam attempt.