



Java Foundations Certified Junior Associate



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Java Foundations Certified Junior Associate - eCollege Course

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Enrolment and Course Access

eCollege Login

Once you have activated the course, you will always log in to eCollege here: www.ecollege.ie.

eCollege Password

If you forget your password, you can use the password reset option on eCollege:

https://ecollege.etbonline.ie/login/forgot_password.php

Course Start Date

The course enrolment duration begins once your fetch course application is approved. eCollege run this course on a continuous intake basis. You may see other start and end dates on the Fetch Courses website; these are incorrect.

Course Length

We allow **24** weeks to complete the course, and we suggest you will need to study about 10 hours a week. Based on previous statistics, many learners complete this course in less than 24 weeks.

There are several contact hours within the interactive tutorials, and you may have to go back over specific topics. There is also a portion of self-directed learning involved.

eCollege Course Structure

We have laid out the course structure with these topics:

- Getting Started
- Course Resources
- Course Content (multiple topics)
- Test Preparation
- Exam Booking

Getting Started Topic

The Getting Started topic includes:

- Induction Module
 - Online Learning
 - eCollege Policies and Procedures
 - Workstation Safety
- Getting Started Questionnaire

- Provides you with valuable course information. We also ask some questions concerning your employment and education status.

Course Resources Topic

The Course Resources topic includes details to install Java, recommended reading, glossary of terms, information on Java webinars and mentors, and a course map. You can use these resources as you progress through the course.

Course Content Topics

All course work is included in the following **16** Course Content topics:

1. Introduction to Java Programming
2. Writing our First Java Program
3. Declaring, Initialising and Using Variables
4. Modifying Variables Using Operators
5. Using Promotion and Type Casting
6. Using Operators and Decision Constructs
7. Creating and Using Arrays
8. Looping Constructs
9. Creating and Using ArrayLists
10. Introduction to Object-Oriented Programming
11. Object-Oriented Programming – Further Studies
12. The String Class
13. Importing Java Packages
14. Debugging & Exception Handling
15. Introduction to GUI Development
16. Course Appendix: Source Coding Best Practices

Test Preparation Topic

The Test Preparation topic helps ensure you are ready for your examination. You will complete activities that prepare you for the examination. You must achieve a certain percentage in these activities before moving on to the Exam Booking stage.

Exam Booking Topic

In the Exam Booking topic, you will complete the Course Questionnaire and Exam Booking Form to help guide you through the exam booking process.

Course Information and Syllabus

Prerequisites

There are no mandatory requirements, but we recommended that all students are highly computer literate, with a drive to learn to code. We expect students to be logical thinkers and astute problem solvers.

Course Information

This online course is focused on teaching you the fundamental skills and concepts of Java, one of the world's most widely used programming languages, used in desktop computing, Android development, game development and big data companies. Java is generally regarded as the world's most popular programming language, and 90% of Fortune 500 companies use Java.

After completing this Oracle-certified introductory course, you will be able to write efficient, functionally powerful and syntactically correct Java code, and demonstrate both conceptual knowledge and skills and complex problem-solving.

You will have a solid understanding of Java Standard Edition (SE) and the Java programming language, including data types; operators and strings; decision and looping statements; classes, constructors, and methods; exceptions, ArrayLists and the Math class.

You can review the course syllabus [here](#).

QQI/FETAC

There is no QQI/FETAC qualification associated with this course.

Certification

Upon successful completion of the Oracle Java Foundations 1Z0-811 examination, you will be awarded an industry qualification from Oracle. See more information [here](#).

Examination

Exam Costs

SOLAS will cover the cost of your exam.

Exam Format

- 75 multiple-choice questions
- Duration: 2.5 hours
- Passing score: 65%

Register for the Examination

You will be able to register for the exam once you have completed all the topics, including the Test Preparation topic. After these are all successfully completed, the Exam Booking topic will be available to you.

At this point, eCollege administration staff will work with you to purchase the exam from Pearson VUE. This process will require you to create a Pearson VUE account and complete a registration form for them.

Where Can I Complete My Examination?

You can choose a Pearson VUE Test Centre that is convenient for you on the Exam Booking Form. You can also choose to sit your exam [online](#) (at home). Once the Exam Booking Form is submitted, eCollege will send you exam authorisation, and you will be able to book your exam with Pearson VUE.

Refund of Public Travel Expenses

You may have to travel to a test centre; we can refund the cost of any public transport used. Please keep your receipts.

Exam Support

If you require accommodation (support for any documented learning difficulties), you need to apply for this in advance. Any request for additional support **will require documented evidence** from a medical professional.

We cannot request additional support on your behalf due to data protection. There is no requirement to start this process now. You will be able to do this once you have reached the Exam Booking topic.

Course Content

Live Classes

There are no live classes. The course content is laid out for you in interactive tutorials that can be accessed anytime once you are logged into eCollege.

We do however run ad-hoc webinars. These are recorded and placed on the site and viewable at any time.

Skillsoft Interactive Tutorials

Course content is created and designed by a company called Skillsoft. Skillsoft supply eCollege with interactive tutorials aligned to the course syllabus. These interactive tutorials are found within each topic. They cannot be viewed offline.

Within the Topic, Skillsoft interactive tutorials appear like this:



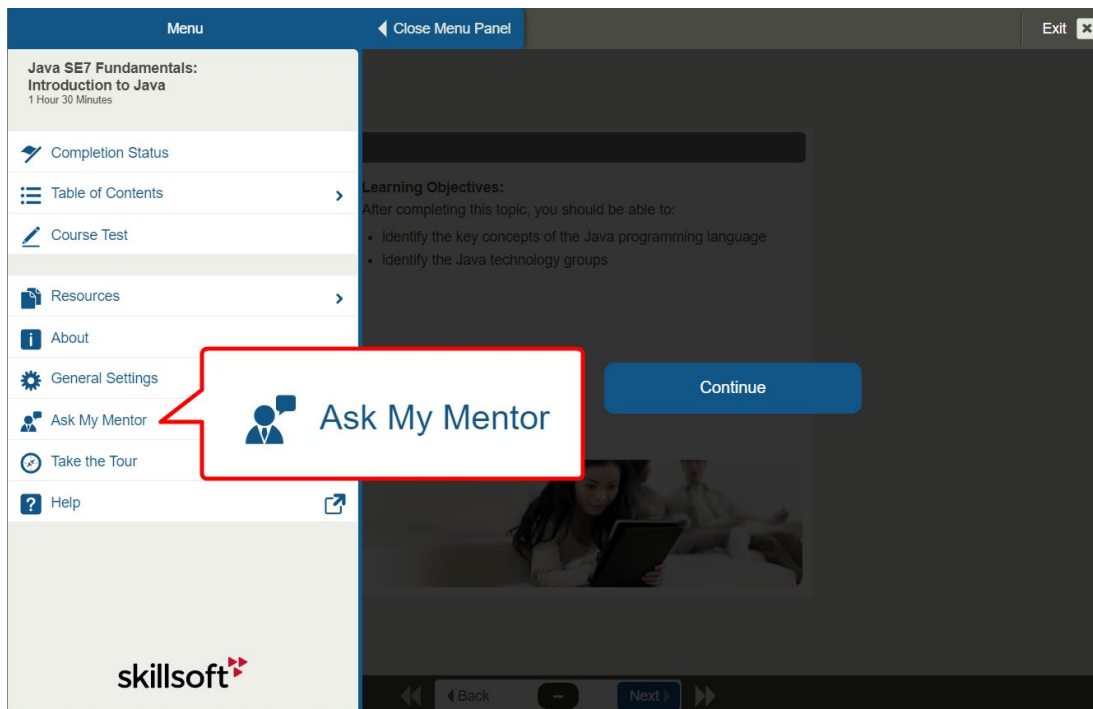
These icons launch **Skillsoft** video content.

The screenshot shows a software interface for a Skillsoft tutorial. On the left is a 'Table of Contents' panel with a dark blue header. It lists several topics: 'Introduction to Java' (52 Minutes), 'Introducing the Java Technology' (17 Minutes), 'Working with IDEs and the Product Life Cycle' (15 Minutes), 'Thinking in Objects' (20 Minutes), 'Lesson 1 Test' (6 Questions), 'Java Language and Programs' (39 Minutes), and 'Course Test'. The 'Introducing the Java Technology' item is selected. The main content area on the right has a dark header 'Introducing the Java Technology'. Below this, it lists 'Topic Type: Instruction', 'Approximate Duration: 17 minutes', and a message: 'You have not taken a test for this topic.' To the right, under 'Learning Objectives', it states 'After completing this topic, you should be able to:' followed by two bullet points: 'identify the key concepts of the Java programming language' and 'identify the Java technology groups'. Below this, it says 'This topic covers the following points:' followed by three links: 'Key concepts of Java', 'Java technology groups', and 'Summary'. At the bottom of the main area is a 'Skip Topic' button and a small video thumbnail showing a woman using a tablet. At the very bottom of the interface is a navigation bar with buttons for 'Previous Topic', 'Back', 'Next', and 'Next Topic'.

Skillsoft Interactive Tutorials - Ask My Mentor

**Separate from eCollege eTutor support. Mentors can only answer queries on the Skillsoft interactive tutorial you are reviewing.*

Skillsoft also provide the Ask My Mentor support service, which you can access while you are in your course.



eBooks


There are a series of recommended eBooks and additional reference materials available in the Course Resources topic.


How to approach the course

Once you have completed all the activities in the Getting Started topic, Course Resources, and Course Content material will be unlocked and available to you.












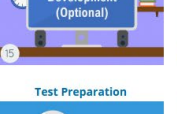
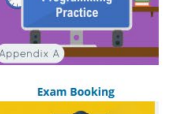


You will progress through each course topic in order. Course Content topics focus around the course material supplied by Skillsoft.

Java Foundations
Oracle Junior Associate (1Z0-811)

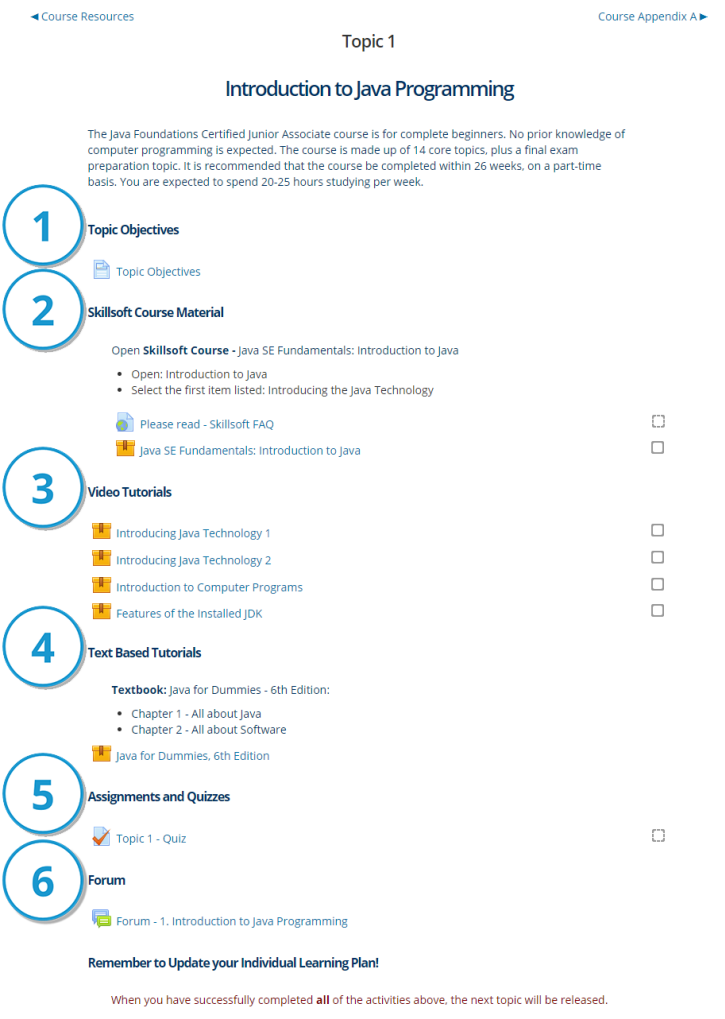











Be social, join the Discussion Forums 

Information on Exams 

Java OCA 8 - Webinars 2020 +

Getting Started - Click Here 	Course Resources 	Topic 1 Introduction to Java Programming 
Topic 2 Writing our first Java Program 	Topic 3 Declaring, Initializing and Using Variables 	Topic 4 Modifying Variables Using Operators 
Topic 5 Using Promotion and Type Casting 	Topic 6 Using Operators and Decision Constructs 	Topic 7 Creating and using Arrays 
Topic 8 Looping Constructs 	Topic 9 Creating and using ArrayLists 	Topic 10 Introduction to Object-Oriented Programming 
Topic 11 Object-Oriented Programming Further Studies 	Topic 12 The String Class 	Topic 13 Importing Java Packages 
Topic 14 Debugging & Exception Handling 	Topic 15 Introduction to GUI Development (Optional) 	Course Appendix A Good Programming Practice 
Bonus Topic 	Test Preparation 	Exam Booking 

How to approach the first topic

<p>1</p>	<p>Topic Objectives: Read the topic objectives, which is a list of what you are going to learn in the topic.</p>	 <p>← Course Resources Course Appendix A ▶</p> <p style="text-align: center;">Topic 1</p> <p style="text-align: center;">Introduction to Java Programming</p> <p>The Java Foundations Certified Junior Associate course is for complete beginners. No prior knowledge of computer programming is expected. The course is made up of 14 core topics, plus a final exam preparation topic. It is recommended that the course be completed within 26 weeks, on a part-time basis. You are expected to spend 20-25 hours studying per week.</p> <p>1 Topic Objectives  Topic Objectives</p> <p>2 Skillsoft Course Material Open Skillsoft Course - Java SE Fundamentals: Introduction to Java • Open: Introduction to Java • Select the first item listed: Introducing the Java Technology  Please read - Skillsoft FAQ <input type="checkbox"/>  Java SE Fundamentals: Introduction to Java <input type="checkbox"/></p> <p>3 Video Tutorials  Introducing Java Technology 1 <input type="checkbox"/>  Introducing Java Technology 2 <input type="checkbox"/>  Introduction to Computer Programs <input type="checkbox"/>  Features of the Installed JDK <input type="checkbox"/></p> <p>4 Text Based Tutorials Textbook: Java for Dummies - 6th Edition: • Chapter 1 - All about Java • Chapter 2 - All about Software  Java for Dummies, 6th Edition</p> <p>5 Assignments and Quizzes  Topic 1 - Quiz <input type="checkbox"/></p> <p>6 Forum  Forum - 1. Introduction to Java Programming</p> <p style="text-align: center;">Remember to Update your Individual Learning Plan!</p> <p style="text-align: center;">When you have successfully completed all of the activities above, the next topic will be released.</p> <p>← Course Resources Course Appendix A ▶</p> <p style="text-align: center;">Jump to... <input type="text"/></p>
<p>2</p>	<p>Skillsoft Course Material: Review the interactive tutorial, click to open and click "start course":</p> <p style="text-align: center;">Start Course </p> <p>Review the table of contents and complete all parts of the tutorial.</p>	
<p>3</p>	<p>Video Tutorials: Review the video tutorials provided.</p>	
<p>4</p>	<p>Text-Based Tutorials: Follow the link(s) provided to access text-based tutorials and reading material.</p>	
<p>5</p>	<p>Assignments and Quizzes: This is a mini-quiz to test your knowledge, complete it with a score of 80% to move on.</p>	
<p>6</p>	<p>Forum: Review the forums, ask a question of your fellow participants if you wish to transfer knowledge.</p>	

Once you complete all steps for the topic, you can move to Topic 2 and repeat the process.

eCollege Support

We have a reliable support system in place, and you can contact us via email for any questions or concerns. You can request a phone call if you wish to speak to eCollege.

eTutor

There is an eTutor assigned to your course who is available via email if you have any subject matter related queries. Your eTutor will email you to welcome you to the course. You can also see their contact information on the course homepage.

Administration and Helpdesk

We have a team of administrators who can help with general course questions and technical support.

Technical Requirements

Most eCollege courses will require you to have a Windows PC, especially any Microsoft courses. Other courses may allow the use of an Apple device.

We recommend:

- Dual-core processor
- 4GB of RAM or higher
- The latest up-to-date operating system
- Chrome or Firefox web browser
- Minimum screen resolution of 1024 X 768
- High-speed broadband – we do not recommend the use of mobile dongles

A printer is not required.

Pop-Ups

You must enable popups to allow the interactive course material to run. Please add the following URL as an authorised site for popups: <https://ecollege.etbonline.ie/>. Do not turn off popup blockers completely.

How to do this per browser:

- [Chrome](#)
- [Firefox](#)
- [Internet Explorer](#)
- [Edge](#)

eLearning General Information

We are aware that eLearning has its challenges that can prevent you from absorbing the content and the critical aspects of the course.

We are also aware that you may be on-the-go and don't have a lot of time to devote to the eLearning experience.

You can overcome this by engaging your course in bite-sized chunks when you are ready to learn. You should also avoid lengthy study sessions; by doing this, you give yourself the chance to acquire and retain information more effectively.

We also offer the opportunity for peer collaboration through the various discussion forums within the course, where learners can collaborate on the subject matter. If you have a specific issue with the course, we advise you to contact the eCollege team.