



# Oracle Certified Associate Database SQL



**SOLAS**  
learning works

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# Introduction to Programming using Python- 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](http://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](https://ecollege.etbonline.ie/login/forgot_password.php)

### Course Start Date

The course starts once you have logged into eCollege. We run this course on a continuous intake basis. You may see other start dates on Fetch Courses; these are incorrect.

### Course Length

We allow 34 weeks to complete the course, and we suggest you will need to study about 10 hours a week. Based on previous statistics, many learners will require the full 34 weeks to complete the course and take the Oracle exam.

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 a learning plan, examination information, details on required software, recommended reading and reference library, practice labs, and a glossary of terms. You can use these resources as you progress through the course.

## Course Content Topics

All course work is included in the following **14** Course Content topics:

1. Oracle and Structured Query Language (SQL)
2. Using DDL Statements to Create and Manage Tables
3. Manipulating Data
4. Restricting and Sorting Data
5. Using Single-Row Functions to Customize Output
6. Using Conversion Functions and Conditional Expressions
7. Reporting Aggregated Data Using the Group Functions
8. Displaying Data from Multiple Tables
9. Using Subqueries to Solve Queries
10. Managing Schema Objects
11. Using the Set Operators
12. Managing Objects with Data Dictionary Views
13. Manipulating Large Data Sets
14. Controlling User Access

## 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

The course prerequisite is either (A): IT Specialist Databases (ITS OD 201) or (B): Microsoft MTA Database Fundamentals (98-364). Applicants will be asked to upload a copy of their digital badge or e-Certificate on enrolment.

We also recommend that students have a high level of computer literacy and an interest in coding and basic maths and algebra. An aptitude for logical thinking and problem solving would also be a distinct advantage.

### Course Information

The course provides those who are interested in pursuing a career in database development, web development or computer programming with the necessary skills to develop and maintain relational databases using Oracle Database 12c.

Candidates will learn how to design, create and administer a relational database. They will improve their knowledge of SQL from beginner to intermediate level. SQL is a programming language that is used to store and access information in relational databases.

Candidates will acquire transferable skills, which can be applied to other RDBMS (relational database management systems) such as SQL Server or MySQL.

Successful candidates will be certified by Oracle as an Oracle Database SQL Certified Associate (Exam Number: 1Z0-071) and can seek employment opportunities as a database application developer.

Please note that this course is better suited for those who seek a career in database development (coding) as opposed to those who seek a career in database administration (DBA).

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 Database SQL Certified Associate (Exam Number: 1Z0-071), you will be awarded an industry qualification from Oracle (Oracle Database SQL Certified Associate). See more information [here](#).

## Examination

### Exam Costs

SOLAS will cover the cost of your exam.

### Exam Format

- Approximately: 78 multiple-choice questions
- Passing Score: 63%
- Time Limit: 120 minutes

### 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 an Oracle account and complete a registration form for them.

### Where Can I Complete My Examination?

You can choose a Pearson VUE Test Centre or online at home in the Exam Booking Form. Once the Exam Booking Form is submitted, eCollege will send you an exam voucher and you will be able to book your exam with Pearson VUE.

Please review the test centre list [here](#) for this Oracle Database SQL Certified Associate exam.

There is currently a system in place whereby you can complete the exam at home if you have the technical setup to do so. [Click here](#) for more Information.

### 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.

### Interactive Tutorials

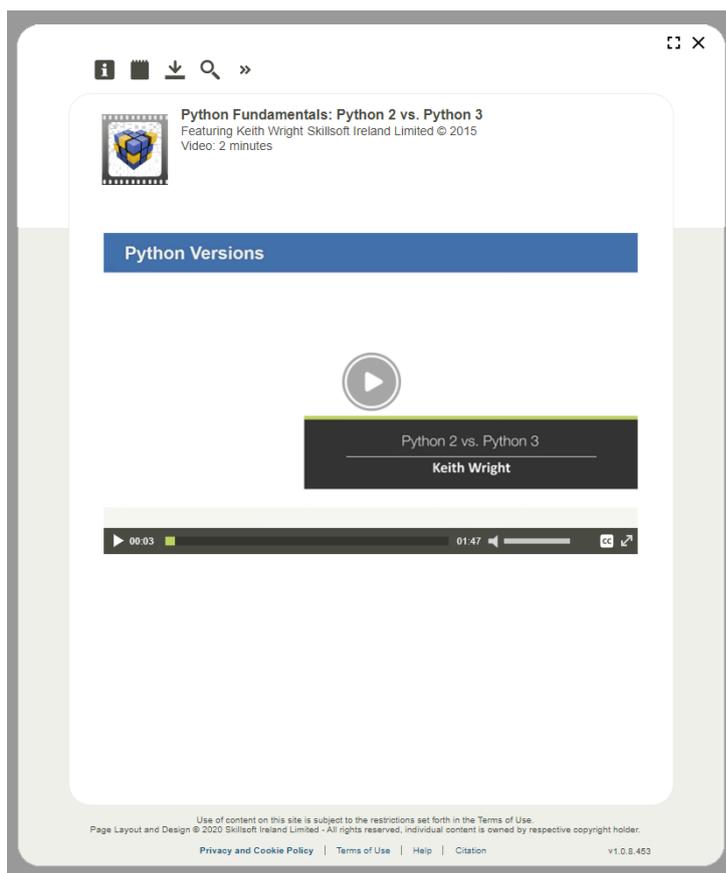
Course content is created and designed by LearnKey and Skillsoft. LearnKey and Skillsoft supply eCollege with interactive tutorials aligned to the course syllabus. These interactive tutorials are found within each topic. They cannot be viewed offline.

### Skillsoft Interactive Tutorials

Within the Topic, Skillsoft interactive tutorials appear like this:



These icons launch **Skillsoft** video content.



### eBooks

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

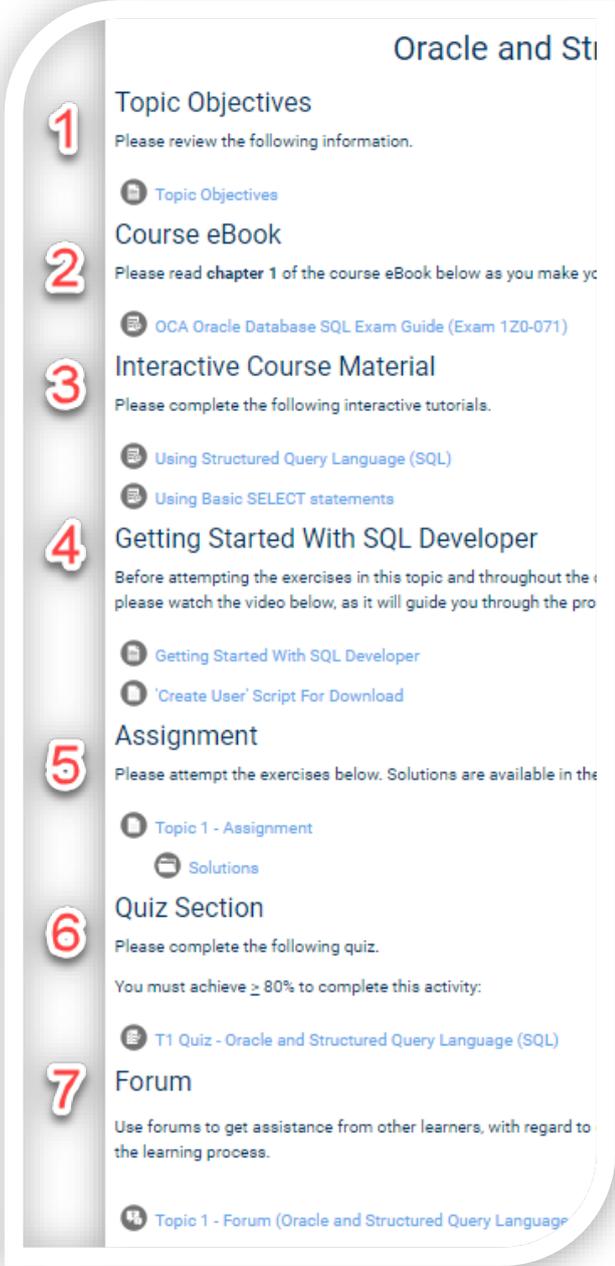
## How to approach the course

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 LearnKey and Skillsoft.



## How to approach the first topic

<p>1</p>	<p><b>Topic Objectives:</b> Read the topic objectives, which is a list of what you are going to learn in the topic.</p>	
<p>2</p>	<p><b>Course eBook:</b> You will be directed to the course eBook and advised what chapters to review.</p>	
<p>3</p>	<p><b>Video Tutorials:</b> Review the interactive tutorial, click to open and click “start course”:</p> <p style="text-align: center;"> <a href="#" style="background-color: #0070C0; color: white; padding: 5px 10px; border-radius: 3px;">Start Course </a> </p> <p>Review the table of contents and complete all parts of the tutorial.</p>	
<p>4</p>	<p><b>Software:</b> In the first topic you will be advised of what software is required.</p>	
<p>5</p>	<p><b>Assignment:</b> We will provide you will some practical assignments and their solutions.</p>	
<p>6</p>	<p><b>Quiz:</b> This is a mini quiz to test your knowledge, complete it with a score of 80% to move on.</p>	
<p>7</p>	<p><b>Forum:</b> You are encouraged to use the forums to interact with your peers.</p>	

Review the forums, ask a question of your fellow participants if you wish to transfer knowledge.

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.