

This certification is for all SQL users who wish to certify their skills regardless of their level.

Proficiency Level by Career:

- **Beginner/ Basic:** the candidate is not able to use the coding language in a professional environment.
- **Productive:** Business analyst, biostatistician.
- **Advanced:** developer, data scientist.
- **Expert:** SQL trainer, technical expert, team leader.

Skill Domains:

SQL queries

- ✚ Write queries using conditions, sorting, and aliases.
- ✚ Use core clauses (WHERE, ORDER BY, GROUP BY, LIMIT).
- ✚ Retrieve and combine data with joins and subqueries.
- ✚ Apply aggregation and filtering for analysis.
- ✚ Query and interpret data to extract insights.

Database design

- ✚ Create and modify tables and basic relationships.
- ✚ Design and manage relational databases.
- ✚ Apply keys, normalization, and integrity constraints.
- ✚ Architect scalable database structures.

Performance Optimization

- ✚ Use indexing and transactions to support performance.
- ✚ Optimize queries with indexing and execution plans.
- ✚ Analyze and improve performance using query structure and data design.

Data Security

- ✚ Manage data access and basic security measures.
- ✚ Control transactions and implement access policies.
- ✚ Apply advanced security (roles, encryption, auditing).
- ✚ Troubleshoot data integrity, performance, and security issues.

Fundamentals and Applications

- ✚ Understand what SQL is, what it stands for, and its role in managing data.
- ✚ Identify common use cases and tasks that can be performed with SQL.
- ✚ Recognize SQL databases, core concepts, and common terminology.

Expertise Report:

Comprehensive and easy-to-interpret skills reports are generated at the end of each assessment test. They help you:

- **Identify** candidates' skills at a glance.
- **Adapt** your programs to their training needs.
- **Measure** the effectiveness of your programs.
- **Obtain** group reports or progress reports.

✚ Assessment

- ✓ 20 questions
- ⌚ 60 minutes

✚ Certification

- ✓ 25 questions
- ⌚ 90 minutes

- ✚ In-app questions¹
- ✚ Adaptive testing



Languages and Versions:

English and French

For additional information, please contact sales@isograd.com

Why certify with Tosa?

It is essential to make a difference in the job market. **Tosa certifications enable candidates to measure and attest to their digital skills.** Tosa certifications deliver a score out of 1,000 for candidates to put on their resume or on their professional networks.

According to our certified individuals, the Tosa certification:

- 👉 Gives them more confidence in their skills **(86%)***
- 👉 Adds value on their CV **(76%)***

Understanding the Tosa score

The Tosa certification is based on a single score scale, available in five levels:

Level	Scores	Description
Expert	876 - 1000	Candidate has extensive knowledge of the subject evaluated. Candidate's productivity in its use is optimal.
Advanced	726 - 875	Candidate has very good knowledge and control of the subject matter being evaluated. Candidate's productivity is excellent.
Productive	551 - 725	Candidate possesses the skills needed to operate effectively in a professional environment.
Basic	351 - 550	Candidate has sufficient knowledge to perform simple tasks.
Beginner	1 - 350	Candidate's knowledge of the evaluated subject is limited.

What is an in-app question?

Beyond traditional MCQs, our tests offer candidates practical exercises (or in-app questions) directly in the development environment or software.

- 👉 **Coding language in-app question:** questions of this type should be solved by creating or modifying a program in the integrated development environment, in the appropriate programming language

What is adaptive testing?

Our technology adapts the test's difficulty to the candidate's answers. The more difficult the questions asked, the higher the candidate's proficiency level.