

Welcome to Software Development Preparation Material

In order to help you prepare, if you need to, for the programme, please find below some preparation material to help get you started.

C# Programming Language

C# (pronounced "See Sharp") is a modern, object-oriented, and type-safe programming language. C# enables developers to build many types of secure and robust applications that run in .NET. C# has its roots in the C family of languages and will be immediately familiar to C, C++, Java, and JavaScript programmers.

See below some useful links from Microsoft official page:

- [A tour of the C# language](#)
- [Introduction to C#](#)
- [Browser based tutorials](#)

SQL

SQL (pronounced "ess-que-el") stands for Structured Query Language. SQL is used to communicate with a database. According to ANSI (American National Standards Institute), it is the standard language for relational database management systems. SQL statements are used to perform tasks such as updating data on a database or retrieving data from a database. Some common relational database management systems that use SQL are: Oracle, Sybase, Microsoft SQL Server, Access, Ingres, etc.

Below is a link with some exercises if you want to test your knowledge and also a basic tutorial to help you learn a bit more before our sessions where all of the important topics and concepts will be covered.

- [Online exercise](#)

During the sessions, we will create a web application project using .Net (C#) and SQL so you can practice all the theory we cover by putting it into practice.