

# SOFTWARE DEVELOPMENT FUNDAMENTALS I & II



Technology has become part of an evolving world and as such software development is important for our successful future in the global context. Software Development Fundamentals I & II is a fundamental building block for a career as a software developer. It provides the necessary context for learners to understand the principles and syntax of programming. A solid understanding of object-oriented concepts is a required primer to develop an enterprise-class application for corporates.

Software Development Fundamentals I & II introduces learners to the core components of writing programs. From a basic introduction to using the software development interface to the fundamentals of data structures, data types and variables. The course introduces the core concepts of object-orientated programming and is essentials for any future career in the field.

## ADMISSION REQUIREMENTS

### Software Development Fundamentals I

- The minimum admission requirement is a National Senior Certificate (NSC) or Senior Certificate (SC) or a National Certificate Vocational (NCV)

### Software Development Fundamentals II

- The minimum admission requirement is a National Senior Certificate (NSC) or Senior Certificate (SC) or a National Certificate Vocational (NCV).
- Applicants must also have completed Programming Fundamentals I

**OR**

- Successfully passed an admission assessment. A portfolio of an applicant's software development experience could also be used to waive the admission requirements.

## WHO IS THE COURSE AIMED AT?

The course is aimed at candidates who want to improve their skill set by learning how to code.

## TECHNOLOGIES/PLATFORMS COVERED



## WHY SHOULD YOU LEARN TO CODE?

- Learning to code increases your earning potential. Having a new programming language under your belt improves your skill sets and marketability.
- With organisations, businesses and countries moving to automate their processes, the demand for coding related jobs remains strong.
- In 2022 the Department of Home Affairs updated its critical skills list. The listing identifies Software development as a scarce skill.
- Learning to code gives you a new perspective to think and solve problems.
- Learning to code improves your creativity. When you code you exercise your mind by experimenting and finding creative solutions.



<b>Contact:</b>	learn@dupappfactory.tech
<b>Duration:</b>	30 hours per module (run over 8 weeks)
<b>Online Cost:</b>	R 4 000 (Certificate of Completion)
<b>Start Date:</b>	1st June 2022
<b>Mode:</b>	Online