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# Advanced Python

This course begins with the basic concepts of Python language and works upward to full-fledged Python applications development.

**Duration: 30 hrs.**

## Syllabus

- Data Types
- Variables and Scope
- Comments
- Control Statements
- Loops
- Graphics
- Range
- String
- Tuple



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- List
- Dictionary
- Set
- Indexing, Sequencing and Slicing
- Mathematical Function
- Numerics
- Generating Random Numbers
- Functions
- Exception Handling
- Modules
- Packages
- File Handling
- Directory Handling in Python
- Object Oriented Programming with Python
- Database Handling with SQLite
- Introduction to Django - web framework