

Java Course syllabus

- Introduction to Java
- Variables, Data Types
- Operators & Tokens
- Control Structures & Looping
- Arrays
- OOPS - Classes & Objects In-Depth
- OOPS - Abstraction, Inheritance & Polymorphism
- Exception Handling
- Collection Framework
- Multi-Threading

Python Course Syllabus

- Introduction to Python
- Operators in Python
- Conditional Statement
- Loops in Python
- More on Data types
- Function and Modules
- OOPS in Python

MySQL Database :-

- **Database Operations:**

Creating, dropping, and altering databases (`CREATE DATABASE`, `DROP DATABASE`).

- **Data Types:** Working with numeric (`INT`, `DECIMAL`), string (`VARCHAR`, `TEXT`), and date/time categories.

- **Table Structures:** Creating and modifying structural tables using `CREATE TABLE`, `ALTER TABLE`, `TRUNCATE`, and `DROP`.

- **Constraints:** Enforcing data integrity with `PRIMARY KEY`, `FOREIGN KEY`, `UNIQUE`, `NOT NULL`, and `CHECK` constraints.

CRUD Operations: Inserting (`INSERT`), updating (`UPDATE`), and deleting (`DELETE`) records safely.