Regular expressions
- Identifiers
- Quantifiers
- Lookahead, Lookbehind examples
- Exercises

- SQL Database SQLITE

  - CURD operations, SQL Queries, Kinds of Joins
  - **Project on SQL database with Sqlite**

- SQL Database MySQL

  - Environment setup, CURD operations, SQL Queries, Kinds of Joins
  - **Project on SQL database with Sqlite**

- Working with JSON data

- Working with XML data,

- Working with PDF data

- Working with CSV data

- Generators, Iterators,

  Generator functions and Generator Expressions
  Comparision between generator expression and List comprehensions

- Collections Module

  - Counter, OrderedDict, Defaultdict, Chainmap, NamedTuple
  - Hacker Rank problem solving,
  - Codechef problem solving

- **Object Oriented Python,**
  - Class, Object
  - Abstraction
  - Encapsulation
  - Inheritance
  - Polymorphism
    - Case studies