

Based on the Online **Programming for Beginners** Course offered by LetDemCode includes the following technologies:

- HTML
- CSS
- JavaScript
- C++
- SQL

Here's the COURSE OUTLINE

Module 1: Introduction to Web Development

- Overview of web technologies
- Setting up a development environment
- Understanding how the internet and websites work

Module 2: HTML (HyperText Markup Language)

- Basic structure of an HTML document
- Common HTML tags and attributes
- Forms and user input handling
- Semantic HTML and best practices

Module 3: CSS (Cascading Style Sheets)

- Introduction to CSS and styling
- Selectors, properties, and values
- Box model and layout techniques (Flexbox & Grid)
- Responsive web design and media queries

Module 4: JavaScript Basics

- Introduction to programming concepts

- Variables, data types, and operators
- Conditional statements and loops
- Functions and event handling
- DOM manipulation and interactivity

Module 5: Mini Project work

Module 6: SQL & Database Management

- Introduction to databases and SQL
- CRUD operations (Create, Read, Update, Delete)
- Database relationships and normalization
- Writing complex queries with joins and subqueries
- Introduction to database management systems (DBMS)

Module 7: Introduction to C++

- Understanding the basics of C++ programming
- Variables, data types, and operators
- Control structures: loops and conditionals
- Functions and modular programming

Module 8: Mini Project

Module 9: Final Project & Deployment

- Building a mini project combining all learned technologies
- Hosting a web project
- Best practices for debugging and code optimization

This outline ensures students gain a strong foundation in web and software development, preparing them for real-world programming applications.