Back-end programing languate amount = 100k100k

Certainly! Here's a more detailed course outline for a back-end programming course focusing on PHP and SQL, MySQL:

**Course Title: Back-End Web Development with PHP and MySQL**

**Module 1: Introduction to Server-Side Programming and PHP (Week 1-2)**

* Understanding the server-side role in web development
* Setting up a local development environment (XAMPP or WAMP)
* Introduction to PHP syntax, variables, and data types
* Control structures: if, else, switch
* Functions and arrays in PHP
* Hands-on exercises and basic PHP coding challenges

**Module 2: PHP Forms and Data Handling (Week 3-4)**

* HTML forms and their role in web applications
* Processing form data using PHP
* Form validation and user input sanitization
* Handling file uploads with PHP
* Building a simple form-based application
* Group project: Form validation and processing

**Module 3: Working with Databases and MySQL (Week 5-6)**

* Introduction to relational databases and MySQL
* Basics of SQL (Structured Query Language)
* Creating and managing databases and tables
* SQL queries for CRUD operations (Create, Read, Update, Delete)
* Connecting PHP to MySQL
* Hands-on exercises: Building and querying a database

**Module 4: Advanced PHP and MySQL Concepts (Week 7-8)**

* Prepared statements and parameterized queries for security
* Transactions and error handling
* Authentication and user management
* Session management

**Module 5: Web Security in PHP (Week 9-10)**

* Common security threats in web applications
* Input validation and output sanitization
* Password hashing and salting

**Module 6: Building Dynamic Web Applications (Week 11-12)**

* Creating a simple web application using PHP SQL, and MySQL
* Templating engines in PHP
* Final project: Dynamic web application with user authentication and database interaction

**Assessment:**

* Weekly quizzes or coding assignments
* Mid-term project: CRUD application with PHP and MySQL
* Final project: Dynamic web application with user authentication and database interaction