

Sanic

Day 1: Introduction to Sanic and Asynchronous Web Development

- Introduction to Sanic web framework
- Setting up a development environment (Python, virtual environment)
- Installing Sanic and creating a simple "Hello World" application
- Overview of asynchronous programming in Sanic
- Request handlers and basic routing in Sanic
- Asynchronous Request Handlers and the Sanic Event Loop
- Template rendering with Sanic
- Handling static files and media with Sanic

Day 2: Sanic Application Components and APIs

- Working with Sanic's template engine (if applicable)
- Forms and form handling in Sanic
- Sanic authentication and user sessions
- Handling cookies and secure sessions
- Sanic WebSocket support for real-time applications
- Building RESTful APIs with Sanic
- Testing Sanic applications (unit testing with Sanic Testing)
- Error handling and logging in Sanic

Day 3: Advanced Sanic Topics and Deployment

- Sanic security best practices
- Handling Cross-Origin Resource Sharing (CORS) in Sanic
- Performance optimization and scaling strategies
- Sanic deployment options (Nginx, Docker, etc.)
- Integrating Sanic with databases (e.g., MongoDB, MySQL)