Flask Quiz - 1

6 out of 7 correct

1. What is Flask?

○ ● **A Python library for developing web applications**

○ A JavaScript library for developing web applications

○ A Ruby library for developing web applications

○ None of the above

Explanation: Flask is a micro web framework written in Python that provides a simple and easy way to build web applications.

2. What is the main feature of Flask?

○ ● **Lightweight and simple to use**

○ Robust and complex to use

○ Heavyweight and simple to use

○ Heavyweight and complex to use

Explanation: Flask is designed to be a lightweight and simple to use framework for building web applications. It provides a minimal set of tools to get started quickly, making it a great choice for small projects or for developers who want to get up and running quickly.

3. What is the main advantage of using Flask over a full-stack framework like Django?

○ Flask is more secure than Django.

○ ● **Flask has a simpler learning curve compared to Django.**

○ Flask is more scalable than Django.

○ none of the above

Explanation: Flask is a micro framework that has a simpler and more straightforward design compared to full-stack frameworks like Django. This makes it easier to learn and use for beginners, but it also means that it may have limited functionality compared to full-stack framework

4. What is Flask in Python used for?

○ Data Visualization

○ Gaming Development

○ Machine Learning

◉ **Web Development**

Explanation: Flask is a micro web framework in Python that provides a simple and flexible way to build web applications. It is used for web development and allows developers to build and deploy web applications quickly and easily. It is not used for data visualization, machine learning, or gaming development.

5. What is app routing in Flask?

○ It is a way to handle user authentication in Flask.

○ It is a method to store and retrieve data from a database in Flask.

◉ **It is a process of mapping URLs to Python functions in a Flask application.**

○ It is a way to create and manage sessions in Flask.

Explanation: In Flask, the process of defining the URLs that map to specific functions or methods in your application is known as routing. When a user visits a URL in your application, Flask uses the routing rules to determine which function or method should handle the request and return the response.

6. What is the correct syntax to define a URL route in Flask?

◉ **@app.route('/')**

○ app.route('/')

○ app.add_route('/')

○ none of the above

Explanation: In Flask, the @app.route() decorator is used to define a URL route. The first argument to the decorator is the URL pattern that you want to match, in this case '/'.

7. How do you specify a URL parameter with a default value in Flask?

◉ **@app.route('/')**

○ @app.route('/=default')

○ **@app.route('/', defaults={'param': 'default'})**

○ none of the above

Explanation: To specify a URL parameter with a default value in Flask, you can use the "defaults" argument of the @app.route() decorator. For example, @app.route('/<param>', defaults={'param': 'default'}) would match URLs like '/value' and '/default' would be the default value for the parameter 'param'.

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