Date: February, 2024

SMART INTERNZ-APSCHE
AllML Training
Assessment - 3

O what is flask, and how does it differ from other web frameworks?

Ans. Flask is a python programming language micro web framework. Flask is elastified as a micro framework as it does not rely on external libraries to perform framework function.

-> lightweight! It is a lightweight framework as it is independent of external libraries.

Independent: Flask gives independent or full control to the developer for creating Applications.

Describe a basic structure of a flask application.

the main flask application will be in the app directory, which will have an init-by special file to make it a package for imports to make it work properly, and it will contain a function for creating the flask application instance.

3) How do you Prestall flack and setup a flask project: April 1 Install virtual Environment, install vivtualent on linux 2. Create an Environment, create an Environment in Linux and macos. 3 Activate the Environment 4. Install flask. 5- Test the Development Environment Setup a flask project. - a prerequisites 2. project overview 3 Get started create a virtual Environment add dependencies. 4. In I fale your flask project Run the flask development server. 5. Leverage Blueprints

6. Introduce templates

7. Improve the user experience

8- Conclusion.

@ Emplain the concept of routing in Flask and how it maps URLs to pylhon functions. sol. By using the roule () decorator, we can define routes for different URL3 and map them to the appropriate view functions that will generate the desired response. 5 what is a template influsk and howit is used to generate dynamic HTML Content? ms. Templates are tills that contain station data as well as placeholders for dynamic data. A template is rendered with specific dala to produce a sinal document-plask uses the Template library to render templates in the application, you will use templates to vender HTML which will display in the wer's browser. 6. Describe how to past variables from flask voutes to templates for vendering? Ans: you can pass variables as argument to render template () to use those variables for a template tile.

9 Emplain the process of tetching values from templated in Flask and performing arithmetic calculations?

The tetchone () and fetchall () are

Ans. The tetchone () and fetchall () are the methods of python margin connector and they are used to display data

Discuss some best practices for organizing and structuring a flask project to maintain scalabelity and Readability?

And 1. Installing frask and Plask SQLAIChung

2. Creating a configuration tile.

3. Creating a flask application factory.

4. (realing flask Bhupning

5. Adding flasse-squarchemy models to your flask Application.