

CA Test Preparation Solution

1.

(a),(b),(c)

```
from flask import Flask, render_template
app = Flask(__name__)

@app.route("/")
def home():
    return render_template('index.html')

if __name__ == '__main__':
    app.run(debug=True)
```

2. This question is about the state management using Python

(a) What is the difference between HTTP POST, GET & PUT methods?

POST : Sends data to a specific URI

GET : Requests data at a specific URI

PUT : Puts a file or resource at a specific URI / Sends data to a specific URI to create / update a resource

(b)

A cookie is stored on a client's computer in the form of a text file. Its purpose is to remember and track data pertaining to a client's usage for better visitor experience and site statistics

(c)

set_cookie("loginname", value="lw1123", max_age=**86400**, secure=True) (1 days = 1 x 3600 x 24 = 86400 sec)

3.

(a) PasswordField ('Password', validators=[DataRequired()])

(b) SubmitField('Sign In')

4.

(a) `div#container>h2+h5+p*2`

(b) `ul#head>li*3>img[src=image$.png].icon`

5.

(a) `git init microblog`

(b) `git add -A`

(c) `git commit -m "Initial version"`

6.

(a) `docker build -t test:latest .`

7.

(a) `pip install flask-migrate`

(b) `flask db init`

(c) `flask db migrate -m "Admin Table"`

8.

(a) `pip install Flask-Mail`

(b)

SMTP Server address, SMTP Server Port, Sender username, Sender password, Using SSL as encryption method :

MAIL_SERVER

MAIL_PORT

MAIL_USE_SSL

MAIL_USERNAME

MAIL_PASSWORD