Quiz: Lesson 3

1. What is HTML, What is CSS, What is Javascript?
   1. HTML stands for Hyper Text Markup Language. It is one of the tools web browsers use to display content.
   2. CSS stands for Cascaded Style Sheets. This is a method of adding richness to web pages by defining content of the web page should be displayed.
   3. Javascript: It is not the same as the Java programming language. It is Object oriented. The scripts allow for interaction with user, control the browser, and alter document content
2. What are the major parts of an HTTP request?
   1. Gets, header, protocol version
3. What are the major parts of an HTTP response?
   1. Post requests
4. How do you submit an HTTP Post request with a username attribute set to “bob”? What if we wanted a get request instead?
   1. Answer:
5. Why is it important to understand that HTTP is a stateless protocol?
   1. The code has to be written with the understanding that all information is post and forget.
6. If Internet us just HTTP requests/responses, why do we only use browsers to interface with web apps? What other options are there?
   1. Answer:
7. What is MVC, why is it important?
   1. MVC: Model View Controller
      1. **Controller**: Sends commands to the Model to updates its state. It can also send commands to its view to change the views presentation of the model
      2. **Model** notifies its associated controllers when there has been a change in its state. This allows views to product updated output, and the controller to change the available set of commands.
      3. **View**: Requests info from the model that it uses to generate an output for the user.
   2. MVC is popularly used in web design. An HTML file serves as the model, containing the text to be shown on a webpage, a CSS file contains a description or view of the page's layout, and the browser serves as the controller, rendering the HTML and CSS data as the webpage we read
8. How are requests processed in Sinatra?
   1. Answer:
9. In the controller/action, what’s the difference between rendering and redirecting?
   1. Answer:
10. In the ERB view template, how do you show dynamic content?
    1. Answer:
11. From my understanding of the ERB, when is ERB code turned into HTML
    1. Answer:
12. What’s the next role of instance variables in Sinatra?
    1. Answer: