# Lab 3 Questions

By Sandy Huang


**Question 1**: How do you inspect all environment variables in Python?

**To inspect all environment variables in python you can use "os.environ" to see all of python's environment variables.**


**Question 2**: What environment variable contains the query parameter data?

**The environment variable "QUERY_STRING" contains the query parameter data.**


**Question 3**: What environment variable contains information about the user's browser?

**The environment variable "HTTP_USER_AGENT" provides the information about the user's browser.**

**Question 4**: How does the POSTed data come to the CGI script?

**The "FieldStorage" class stores the data filled out in the username & password fields and then retrieves those values using the method ".getvalue()" in order to display the username and password posted on the CGI script.**

**Question 5**: What is the HTTP header syntax to set a cookie from the server?

**The HTTP header syntax for setting a cookie is "Set-Cookie: <cookie-name>=<cookie-value>"**

**Question 6**: What is the HTTP header syntax the browser uses to send the cookie back?

**The HTTP header syntax for sending the cookie back is:**
**"Cookie: <cookie-name> = <cookie-value>"**

**Question 7**: In your own words, what are cookies used for?

**We use cookies to easily store and retrieve information in the form of key-value pairs. Cookies are used mainly to store and track information in variables about users that visit their webpages.**

**For instance, when I was younger and played flash player games, I noticed some of the games I had closed my browser on and came back had my game levels saved. Didn't realize it at the time but those must have been cookies keeping my progress.**


**Question 8**: What is the link to your code on GitHub?

https://github.com/shearpaladin/cgi-lab