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**Project #2, CSE 135 SSII**

**CGI**

* *Hello World*: This program was a simple use of the print statement, as for the background color I used rand() function to find an integer between 1,2 and 3 and associated each one of them to a desired color and set the background to be the result of the if/else statement. As for time I used the localtime() function
* *Environment*: very simple program, I used a foreach loop to access each one of the variable and print them one by one.
* *Collection*: this was a bit more challenging and after multiple hours of trying I couldn’t get the random background color to work and that was because the only way I found to reach the input from the html file was to use foreach loop to print them, yet I was not able to access the output of the color selection…..
* *Session*: As for sessioning I was not able to get it to work ☹

**PHP**

* *Hello World:* the challenging part was the random background, I was able to use dechex(rand()) to get a random number between 1,2 and 3 and then insert the result into a function called bgcolor() in the last line and set background color to the output of the function.
* *Environment*: simply used a foreach loop and got all the variables of the Server
* *Collection* : I was finally able to get it to work, I used a submit type for the selected color and used thatinput to pass into the similar function as the CGI collection bgcolor(), within the function I used strcomp() to find out what color the user chose and return an integer value of the color. Then I used the returned value to set the background color. On the first line of the body I also used Get method to get the first name and last name and added a space to print out the name on the right order
* *Session*: This part made me very confused, I managed to create the html file to ask for the user and set the link for the “click here” link to be the destination file “Session2page” but I couldn’t find a way for the value to get passed on unless I added a submit button. On the other hand I started my session and set the cookies and the lifetime of the session. As for the second page I set the message to be as it was asked and upon no entry the session gets destroyed if the user clicks on the provided “clear session” button.

My session does not fully work but I am hoping to get partial credit and do need to study this subject more to understand it for the future assignments