Assignment 1
Web Science CS595
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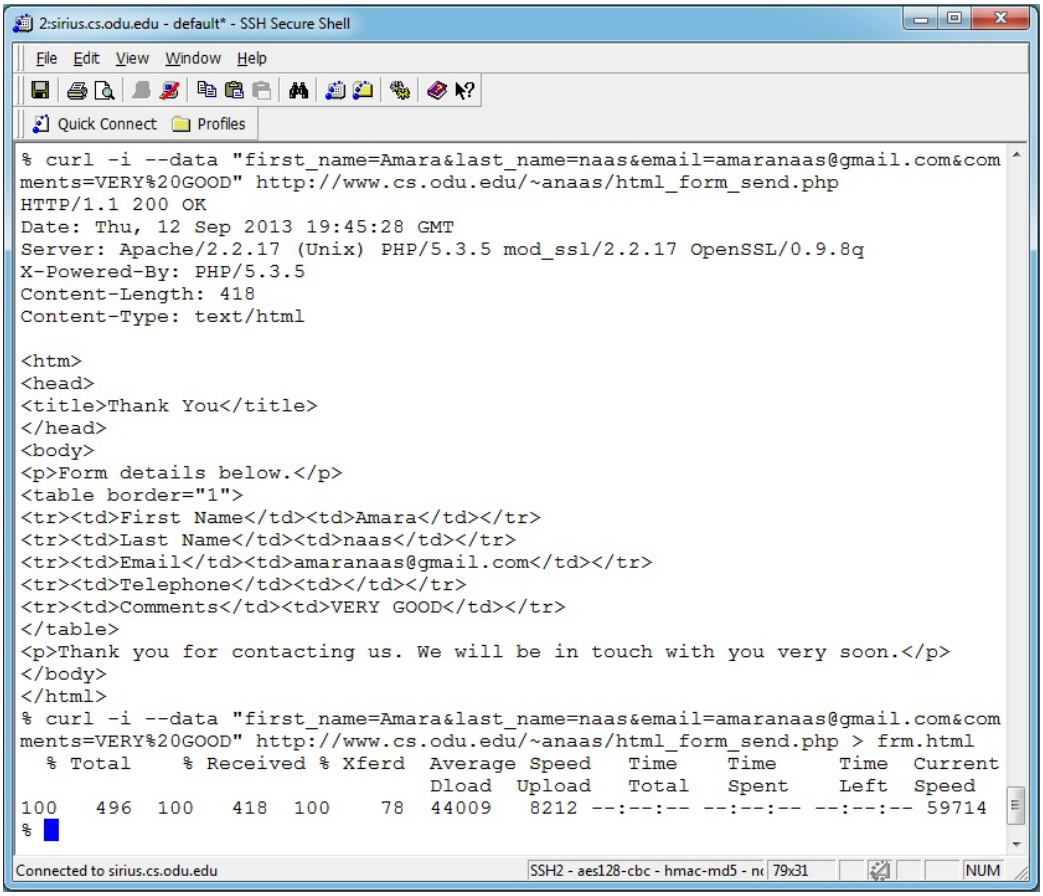


Figure 1: Client Request and Server Response

Question 1 In order to use "curl" to correctly POST data to a form, we can use the command and talk to the http server as following:

Client request: curl -i –data "parameter 1 = ...& param 2=... and so" http://www. [the page that we will post data to] The server response should reply with 200 Success code which means that the action was successfully received, understood, and accepted.

figure 1 show an example of posting the first name, last name, email, telephone, and comments data to the form `http://www.cs.odu.edu/~anaas/html_form_send.php` figure 2, and 3 show the form and how it look like, the server response on the browser, and the server response while using the prompt that shown in the frm file.

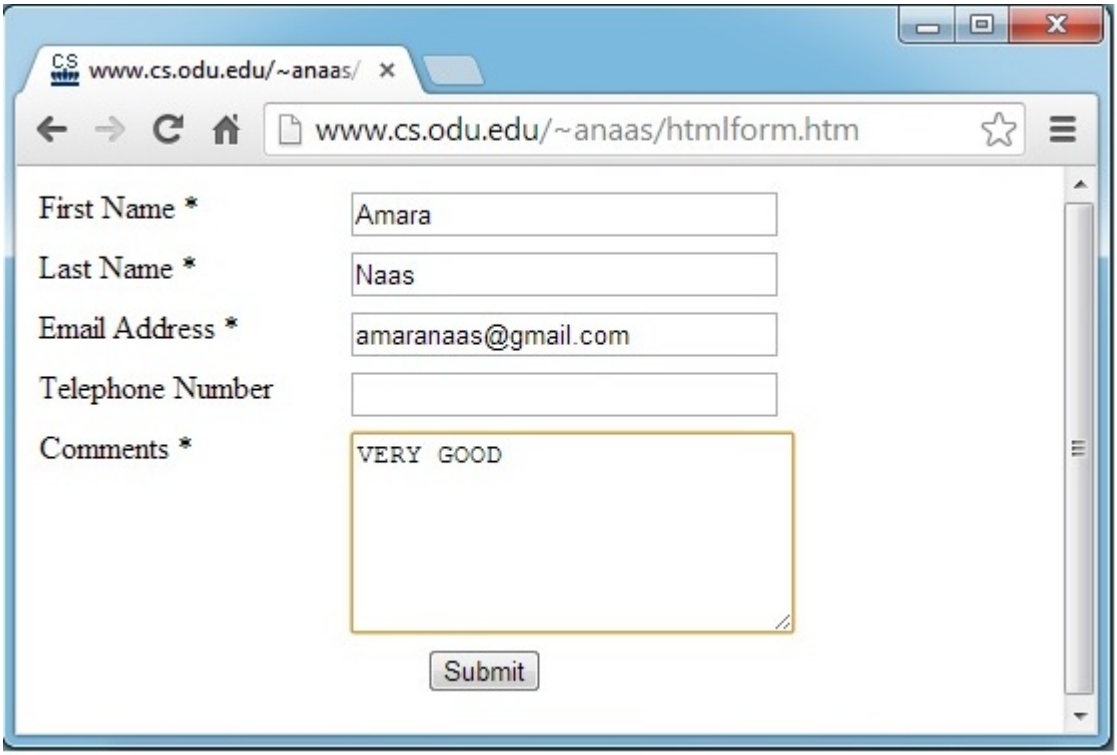
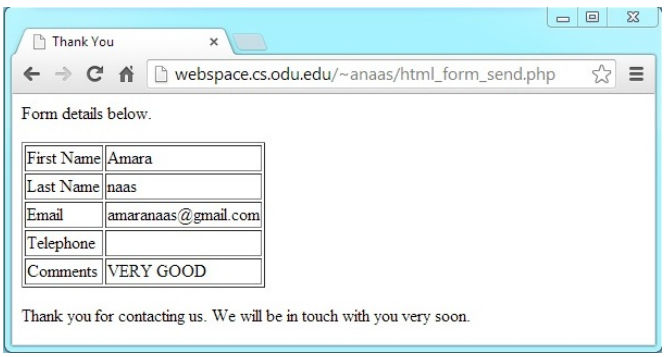


Figure 2: HTML FORM

(a) File View with HTML response



(b) HTML Response

Figure 3: Server Response using the prompt and the browser

Assignment1.py

```
#! /usr/bin/python
from bs4 import BeautifulSoup
import urllib2
import re
from datetime import *
from time import *
redditFile = urllib2.urlopen("http://sports.yahoo.com/college-football/scoreboard/?week=3&conf=")
redditHtml = redditFile.read()
redditFile.close()
soup = BeautifulSoup(redditHtml)
team1 =""
team1 = input('Please Enter first team: ')
team1= team1[:].lower()
team2 =""
team2 = input('Please Enter second team: ')
team2= team2[:].lower()
tag =0
temp1=""
temp2=""
count=0
while 1:
    for links in soup.find_all('a', attrs={'href': re.compile("ncaaf")}):
        if count < 6:
            links.get_text()
            count=count+1
        elif tag==0:
            temp1=links.get_text()
        if temp1[:].lower() == team1 and tag==0:
            tag = 1
            continue
        elif tag == 1 :
            tag = 2
            value = links.get_text()
            continue
        elif tag == 2:
            temp2 = links.get_text()
            if temp2[:].lower() == team2 :
                #print ("The final Scores between is: %s [%s] %s", temp1, value, temp2)
                print "%s%s%s" %(temp1,' - ',temp2)
                print value
                print datetime.now()
                break
        else :
            tag = 0
            continue
    sleep(60)
```

Figure 4: Python Code

Question 2 The Python in the Figure 4 have three argument which are: the two competitors and the URI. The program downloads the URI and search for the scores for each competitor. It runs each (60) seconds, shows the result, and look for the scores again. Figure 5 shows the result from first and second week on http://sports.yahoo.com/college-football/scoreboard/?week=[week 1 or 2]& conf=

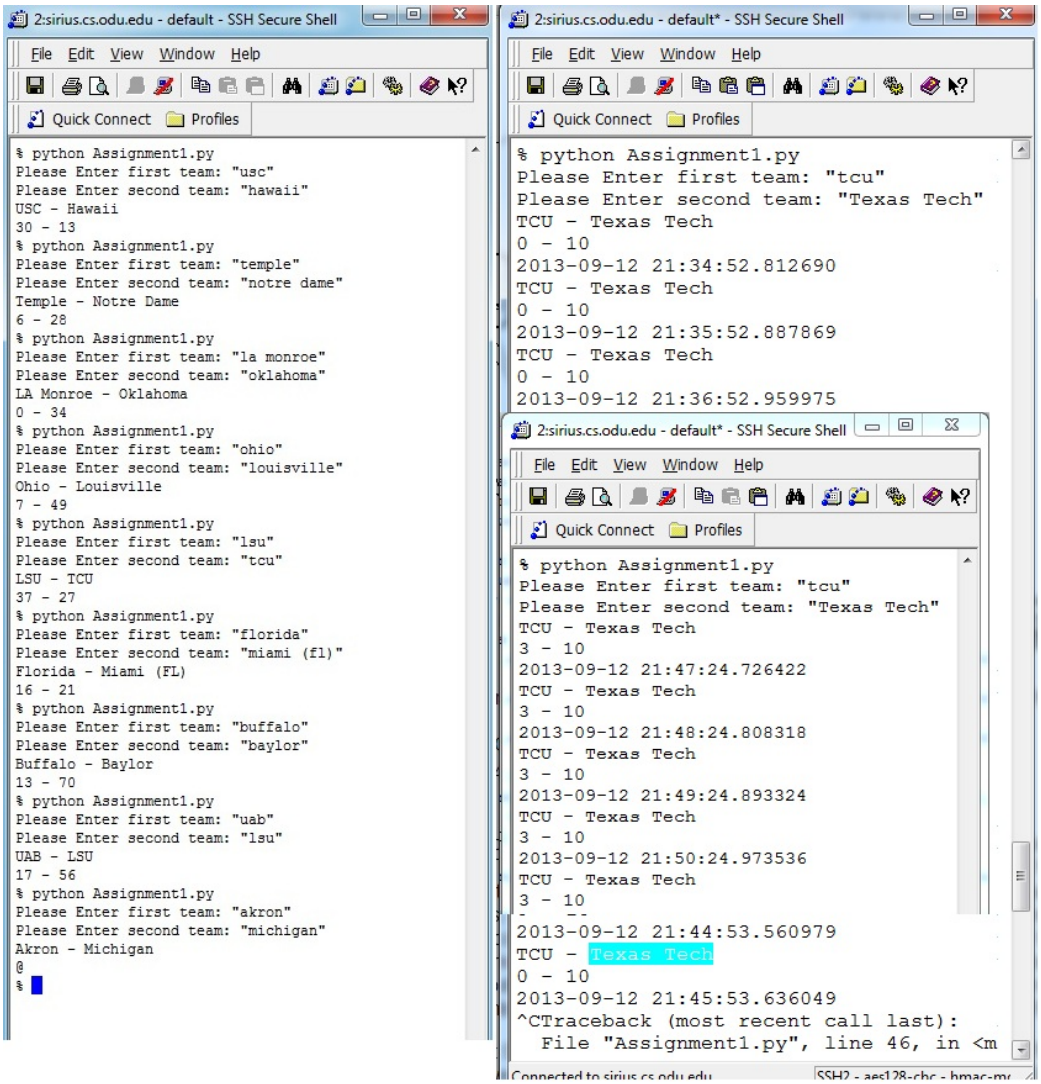


Figure 5: Results of Python code executions

Question 3 By the definition there is a directed path from each node of IN to (all the nodes of) SCC, there is a directed path from any node in the SCC to every node in OUT, TENDRILS containing nodes that are reachable from portions of IN, or that can reach portions of OUT, without passage through SCC, TUBE is passage from a portion of IN to a portion of OUT without touching SCC that is a TENDRIL hanging off from IN and hooked into a TENDRIL leading into OUT. [**?**] IN: I,M SCC: J,N OUT: D Tendrils: A,B,C,G Tubes: L Disconnected: E,F,H