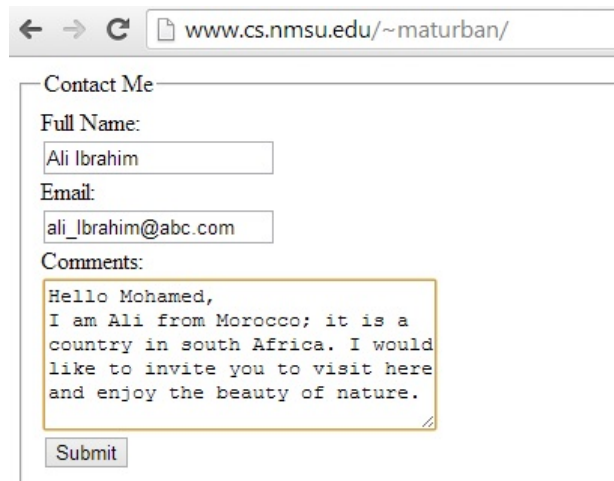


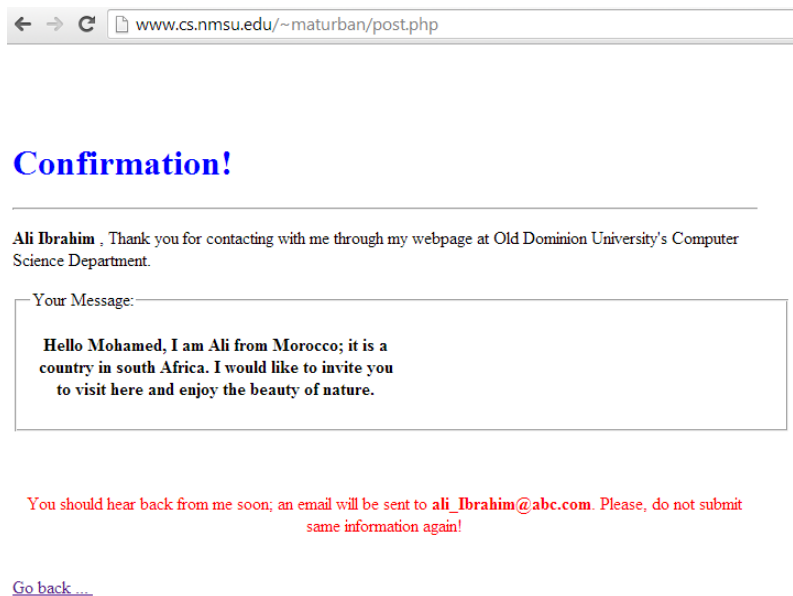
## Problem 1

To test that my data is posted correctly; I have create two different forms; one is HTML form responsible to get input from a user and submit it to the second form which print this information on the screen for confirmation.



The screenshot shows a web browser window with the address bar displaying `www.cs.nmsu.edu/~maturban/`. The page content is a form titled "Contact Me". It contains three input fields: "Full Name:" with the value "Ali Ibrahim", "Email:" with the value "ali\_ibrahim@abc.com", and "Comments:" with a text area containing the message: "Hello Mohamed, I am Ali from Morocco; it is a country in south Africa. I would like to invite you to visit here and enjoy the beauty of nature." Below the text area is a "Submit" button.

Figure 1: A form for submitting information



The screenshot shows a web browser window with the address bar displaying `www.cs.nmsu.edu/~maturban/post.php`. The page content is a confirmation message titled "Confirmation!". It starts with "Ali Ibrahim , Thank you for contacting with me through my webpage at Old Dominion University's Computer Science Department." Below this is a box labeled "Your Message:" containing the text: "Hello Mohamed, I am Ali from Morocco; it is a country in south Africa. I would like to invite you to visit here and enjoy the beauty of nature." At the bottom, there is a red warning message: "You should hear back from me soon; an email will be sent to `ali_ibrahim@abc.com`. Please, do not submit same information again!" and a blue link "Go back....".

Figure 2: Configuration form

Now, we can test posting data to the confirmation form through curl. See the following command :

```
$curl -d "full_name=Sajed_Khalid&email=sajed_kalid@abc.com&comments=
Hello_Mohamed,_This_sajed_from_Iraq;_I_am_planning_to_study_in_US;_do
you_recommend_your_school_ODU_&submit=Submit" --location --output
./result.html http://www.cs.nmsu.edu/~maturban/post.php
```

Finally, we can see the result HTML form that has all posted information:

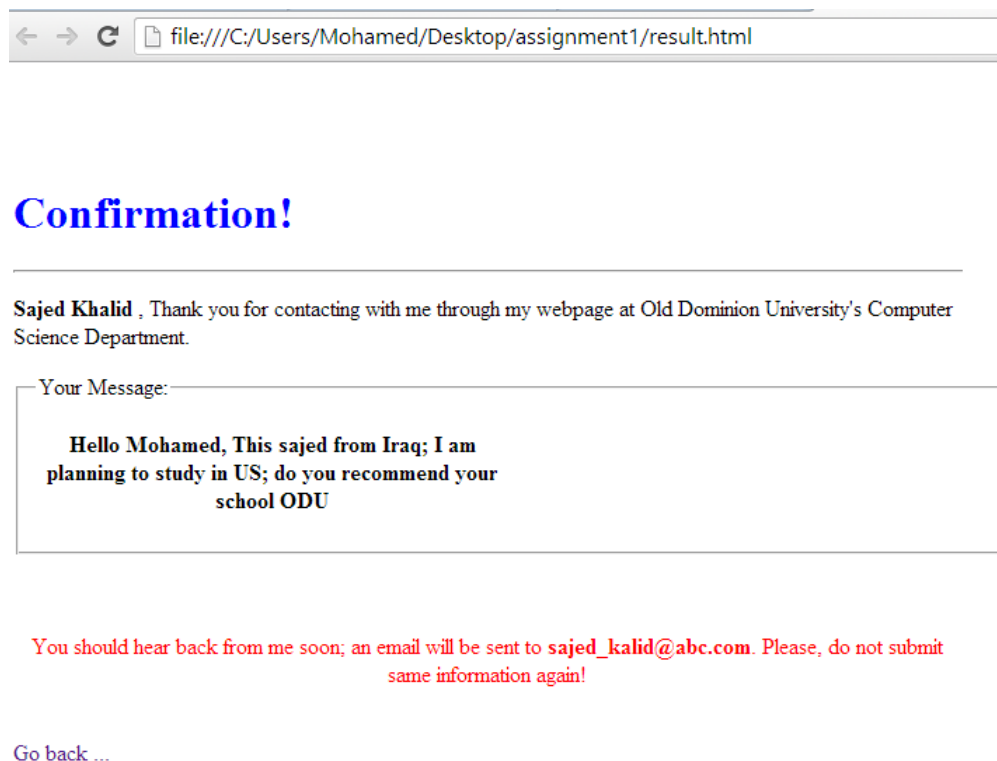


Figure 3: Configuration form. Information posted through curl

## Problem 2

The python program is written the way it can extract team names and scores from (yahoo sports) at this uri: <http://sports.yahoo.com/college-football/scoreboard/?week=1&conf=> The program can be run as shown below. If a team's name has spaces or special characters, quotes should be included:

```
$python <program name> <team name> <time in seconds> <week number>
      checkScore.py      "Rice"              3              1
```

- Output samples

1. When a game is live!

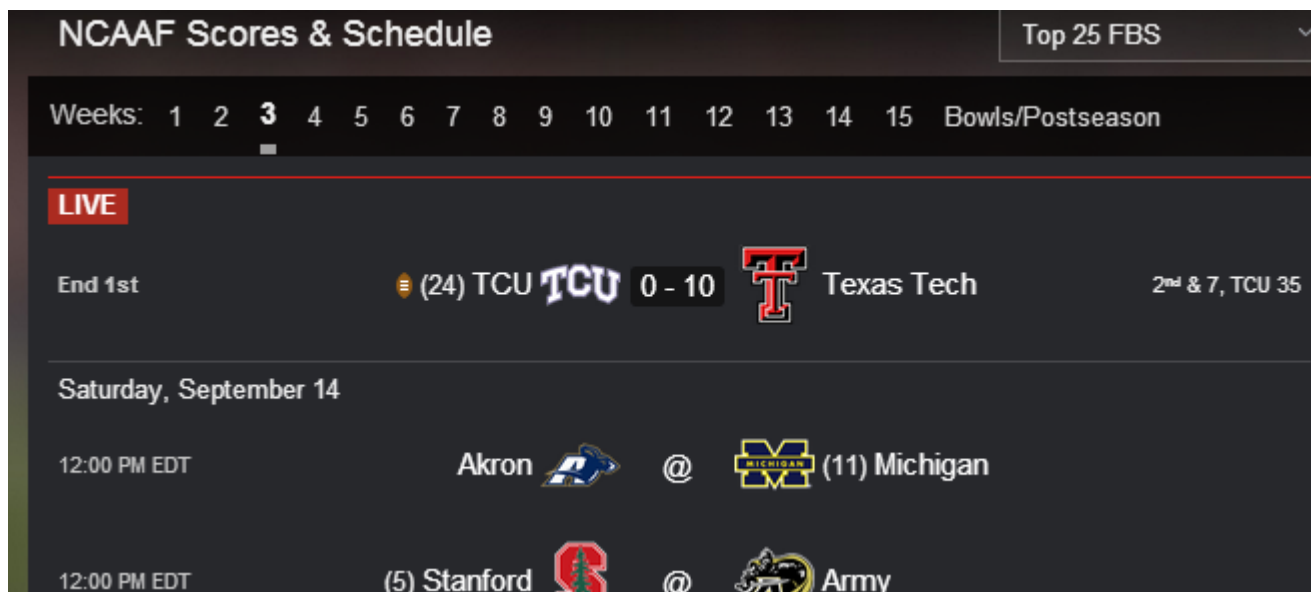


Figure 4: Checking score when game is live.

```
$python checkScore.py "Texas_Tech" 120 3
```

```
Week [3], every 120 second(s) the following  
uri will be checked for scores:  
'http://sports.yahoo.com/college-football/  
scoreboard/?week=3&conf='
```

```
At 2013-09-12 20:01:26  
Score is: [TCU] 0 - 7 [Texas Tech]
```

```
At 2013-09-12 20:03:27  
Score is: [TCU] 0 - 7 [Texas Tech]
```

```
At 2013-09-12 20:05:28  
Score is: [TCU] 0 - 10 [Texas Tech]
```

```
^C  
See you soon , goodbye ...
```

2. Game has not been played yet

```
$python checkScore.py Army 120 3
```

```
Week [3], every 120 second(s) the following  
uri will be checked for scores:  
'http://sports.yahoo.com/college-football/  
scoreboard/?week=3&conf='
```

```
At 2013-09-12 20:22:19
```

```
This game is scheduled but has not been played yet:
```

```
[Stanford] ? - ? [Army]
```

```
^C
```

```
See you soon, goodbye ...
```

3. Team is not found

```
$python checkScore.py LIBYA 120 3
```

```
Week [3], every 120 second(s) the following  
uri will be checked for scores:  
'http://sports.yahoo.com/college-football/  
scoreboard/?week=3&conf='
```

```
No game scheduled for 'LIBYA'
```

```
^C
```

```
See you soon, goodbye ...
```

4. When game is over ...

```
$python checkScore.py UCLA 60 1
```

```
Week [1], every 60 second(s) the following uri  
will be checked for scores:  
'http://sports.yahoo.com/college-football/  
scoreboard/?week=1&conf='
```

```
At 2013-09-12 20:27:04
```

```
Score is: [Nevada] 20 - 58 [UCLA]
```

```
^C
```

```
See you soon, goodbye ...
```

- Please see attached package for Python code

**Problem 3**

The following reference help me a lot to answer this question since it has a very clear definition of every component, in other resources, they mention that, each node in IN must connect to SCC, in this case, 'I' and 'J' should placed in TENDRILS, :

<http://www.harding.edu/fmccown/classes/comp475-s13/Web-structure-homework.pdf>

IN :	M, I
SCC:	A, B, C, G
OUT:	D, H
TENDRILS:	K, L
TUBES	N, J
DISCONNECTED:	E, F

This assignment was very excited for me since it is my first time I use:

- LaTeX
- Python
- Curl