**Challenge 13**

[www.pythonchallenge.com/pc/return/disproportional.html](http://www.pythonchallenge.com/pc/return/disproportional.html)



This picture shows a phone keypad and the caption is ‘phone that evil.’ Page title is call him. Also in the source, there’s ‘phone that’ and a circle shape. Pressing 5 goes to

[view-source:www.pythonchallenge.com/pc/return/disproportional.html](view-source:http://www.pythonchallenge.com/pc/return/disproportional.html)

|  |
| --- |
|  |
| <html> |
|  | <head> |
|  | <title>call him</title> |
|  | <link rel="stylesheet" type="text/css" href="[../style.css](http://www.pythonchallenge.com/pc/style.css)"> |
|  | </head> |
|  | <body> |
|  | <center> |
|  | <img src="[disprop.jpg](http://www.pythonchallenge.com/pc/return/disprop.jpg)" width="640" height="480" border="0" usemap="#evil" /> |
|  | <map name="evil"> |
|  | <area shape="circle" coords="326,177,45" href="[../phonebook.php](http://www.pythonchallenge.com/pc/phonebook.php)" /> |
|  | </map> |
|  | <font color="gold"/> |
|  | <br><b> |
|  | phone that <remote /> evil |
|  | </br> |
|  | </html> |
|  |  |

After a few tries, did find [www.pythonchallenge.com/pc/phonebook.php](http://www.pythonchallenge.com/pc/phonebook.php)

It appears to be an XML file. The document tree is shown below:

<member>

<name>faultCode</name>

<value>

<int>105</int>

</value>. . .

<value>

<string>XML error: Invalid document end at line 1, column 1</string>

Not sure about this so googled ‘python xml’. There is **xmlrpc** with client / server stuff. Spun my wheels playing with this for a while and then used a solution. Very simple once you know. . .

**Import xmlrpc.client** is what is needed.

Then create ServerProxy for the url – like controlling the webpage, I think? **Sp.system.listMethods** has phone as the very first one and there is **methodHelp(‘phone’):**

*['phone', 'system.listMethods', 'system.methodHelp', 'system.methodSignature', 'system.multicall', 'system.getCapabilities']*

*Returns the phone of a person*

Tried phone evil and Evil and other stuff and keep getting message ‘he is not the evil’ Had to cheat. ‘Bert’ is who to call. But not sure where that came from – vaguely remember but . . .

The result of this is 555-Italy. 555 is the fake prefix for phone numbers they use in movies and tv shows. So putting Italy in the url takes us to the next challenge.

(maybe I’ll stumble on bert when I’m working on another challenge.)