

Task is to write a BOT, which can extract odds/probability for all the teams in World Cup 2018 Win Outright market from links given below and generate a real-time matrix from it.

Code should either print matrix to screen or save it in file, which should update at given interval (by default every 5 minutes).

*Preferably:*

* use text processing/analysis to navigate to correct match link from home URL instead of hardcoding the start URL.
* team names can also be used as parameter(expected given) to locate correct odds elements on page.

For example the matrix should have following format.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Site1 | Site2 | Site3 | Site4 | Site5 | Site6 | Site7 | Site8 | Site9 |
| Team1 |  |  |  |  |  |  |  |  |  |
| Team2 |  |  |  |  |  |  |  |  |  |
| Team3 |  |  |  |  |  |  |  |  |  |
| Team4 |  |  |  |  |  |  |  |  |  |
| Team5 |  |  |  |  |  |  |  |  |  |
| Team6 |  |  |  |  |  |  |  |  |  |
| Team7 |  |  |  |  |  |  |  |  |  |

**Points will be given based on:**

1. Code correctness

2. Code design and architecture (*Preferably* don’t use any frameworks, like *Scrapy* etc)

3. Speed of execution

**List of web pages to extract odds from are as follows:**

1. [http://sports.williamhill.com](http://sports.williamhill.com/bet/en-gb/betting/e/1644903/World+Cup+2018+-+Outright.html)
2. https://mobile.bet365.com
3. http://www.paddypower.com

4. <https://www.skybet.com> (use GB proxy here, could be one of free ones <https://free-proxy-list.net/uk-proxy.html> , make PROXY settings so we could be able to change & test your script)