

1. Write a script to collect all websites mentioned in the two PDFs, Part15 PX2 Declaration Willis GoDaddy.pdf and Domains (Name.com).pdf

```
In [1]: import PyPDF2
import idna
import uritools
import appdirs
import urlextract
from urlextract import URLExtract
```

In this question, I will use Python url extractor to help me extract urls from the original PDF. The following is a small example:

```
In [2]: # Build extractor object to extract url from string

extractor = URLExtract()
urls = extractor.find_urls('in the custody of GoDaddy.com, Inc')
print(urls)

[ 'GoDaddy.com' ]
```

```
In [72]: # Build pdf object for Domains.pdf

pdfFileObj = open('Domains.pdf', 'rb')
pdfReader = PyPDF2.PdfFileReader(pdfFileObj)
```

```
In [84]: print('This pdf contains {} pages in total.'.format(pdfReader.numPages))

This pdf contains 26 pages in total.
```

```
In [85]: # res is a list that contains website urls from each page

res = []

for i in range(pdfReader.numPages):
    pageObj = pdfReader.getPage(i)
    extractor = URLExtract()
    urls = extractor.find_urls(pageObj.extractText())
    res.append(urls[:])
```

```
In [86]: res
```

[illegible]

As we can see, there is no urls extracted from Domains.pdf.

```
In [3]: # Build pdf object for Part15 PX2 Declaration Willis GoDaddy.pdf

pdfFileObj = open('Part15 PX2 Declaration Willis GoDaddy.pdf', 'rb')
pdfReader = PyPDF2.PdfFileReader(pdfFileObj)
print('This pdf contains {} pages in total.'.format(pdfReader.numPages))
```

This pdf contains 26 pages in total.

```
In [4]: # res is a list that contains website urls from each page

res = []

for i in range(pdfReader.numPages):
    pageObj = pdfReader.getPage(i)
    extractor = URLExtract()
    urls = extractor.find_urls(pageObj.extractText())
    res.append(urls[:])
```

