

Python Text Basics Assessment

Complete the tasks described in bold below by typing the relevant code in the cells.

1. Print an f-string that displays “NLP stands for Natural Language Processing” using the variables provided.

```
abbr = 'NLP' and full_text = 'Natural Language Processing'
```

2. Create a file in the current working directory called `contacts.txt` as contents below:

```
First_Name Last_Name, Title, Extension, Email
```

3. Open the file and use .read() to save the contents of the file to a string called `fields`. Make sure the file is closed at the end.

4. Use PyPDF2 to open the file `Business_Proposal.pdf`. Extract the text of page 2.

```
# Perform import, # Open the file as a binary object, # Use PyPDF2 to read the text of the file
# Get the text from page 2 (CHALLENGE: Do this in one step!), # Close the file,
# Print the contents of page_two_text
>> print(page_two_text)
```

5. Open the file `contacts.txt` in append mode. Add the text of page 2 from above to `contacts.txt` and remove the word “AUTHORS:”

The output should look like this.

```
First_Name Last_Name, Title, Extension, Email
```

```
Amy Baker, Finance Chair, x345, abaker@ourcompany.com
```

```
Chris Donaldson, Accounting Dir., x621, cdonaldson@ourcompany.com
```

```
Erin Freeman, Sr. VP, x879, efreeman@ourcompany.com
```

6. Using the `page_two_text` variable created above, extract any email addresses that were contained in the file `Business_Proposal.pdf`. Use below APIs.

```
import re and re.findall(pattern, page_two_text)
```

Output Looks Like

```
['abaker@ourcompany.com',
'cdonaldson@ourcompany.com',
'efreeman@ourcompany.com']
```