

## Evaluation

1. <https://www.hackerrank.com/challenges/encryption/problem>
2. Given a text file. Count the number of words
3. Give the frequency distribution of the words as a dataframe
4. Do POS of the text file and give frequency distribution for nouns in a sorted order
5. Create a basic Flask API named 'Hello World', which takes blob path for Excel file and sends blob path of the modified file in response
  - a. API should have 2 end-points with GET and POST method
  - b. GET method should return API name in response
  - c. POST method accepts a JSON request body with blob path and returns blob path in response

What this API does?

- Downloads Excel file
- Data contains item\_id, supplier\_id and supplier\_val columns
- API should create a new column named supplier\_rank
- API ranks supplier for every line item according to the supplier\_val
- Ranks shouldn't have breaks
- If more than one supplier has same supplier\_val their rank should be same
- Uploads output excel
- Keep output filename as *inputfilename\_yourname*

Eg.

Sample Input:

item_id	supplier_id	supplier_val
item1	s1	90
item1	s2	120
item1	s3	80
item2	s1	10
item2	s2	20
item2	s3	10

Sample Output:

item_id	supplier_id	supplier_val	supplier_rank
item1	s1	90	2
item1	s2	120	3
item1	s3	80	1
item2	s1	10	1
item2	s2	20	2
item2	s3	10	1