In [2]:
```python
import pandas as pd
```

In [3]:
```python
print("Amar")
```

```
Amar
```

In [4]:
```python
import pymysql
```

In [5]:
```python
con = pymysql.connect(host='arxiv-rss.cylz9khr50pz.us-east-2.rds.amazonaws.
                           user='root',
                           password='')
```

In [6]:
```python
df = pd.read_sql('select * from arxiv.tasks', con)
```

In [7]:
```python
df.head(5)
```

Out[7]:

	task_id	link	title	description	loaddate
0	2297	http://arxiv.org/abs/1903.12178	Open-ended Evolution and a Mechanism of ...	<p>Analogous to living ecosystems in natu...	2019-04-01 22:52:19
1	2298	http://arxiv.org/abs/1903.12204	Mutex-based Desanonymization of an Anonymo...	<p>Anonymous shared memory is a memory i...	2019-04-01 22:52:19
2	2299	http://arxiv.org/abs/1903.12206	Counting with Focus for Free. (arXiv:1903...	<p>This paper aims to count arbitrary ob...	2019-04-01 22:52:19
3	2300	http://arxiv.org/abs/1903.12211	Privacy of trajectory micro-data : a sur...	<p>We survey the literature on the priva...	2019-04-01 22:52:19
4	2301	http://arxiv.org/abs/1903.12212	All about Structure: Adapting Structural ...	<p>In this paper we tackle the problem ...	2019-04-01 22:52:19

In [8]:
```python
df['link'].head(5)
```

Out[8]:
```
0    http://arxiv.org/abs/1903.12178 (http://arxiv.org/abs/1903.12178)
1    http://arxiv.org/abs/1903.12204 (http://arxiv.org/abs/1903.12204)
2    http://arxiv.org/abs/1903.12206 (http://arxiv.org/abs/1903.12206)
3    http://arxiv.org/abs/1903.12211 (http://arxiv.org/abs/1903.12211)
4    http://arxiv.org/abs/1903.12212 (http://arxiv.org/abs/1903.12212)
Name: link, dtype: object
```

In [9]: `df['task_id'].head(5)`

Out[9]:
```
0    2297
1    2298
2    2299
3    2300
4    2301
Name: task_id, dtype: int64
```

In [10]: `df['task_id'].tail(5)`

Out[10]:
```
1031    3362
1032    3363
1033    3364
1034    3365
1035    3366
Name: task_id, dtype: int64
```

In [11]: `df['link'].count()`

Out[11]: 1036

```
In [12]: df['link'].isnull().count
```

```
Out[12]: <bound method Series.count of 0        False
         1        False
         2        False
         3        False
         4        False
         5        False
         6        False
         7        False
         8        False
         9        False
         10       False
         11       False
         12       False
         13       False
         14       False
         15       False
         16       False
         17       False
         18       False
         19       False
         20       False
         21       False
         22       False
         23       False
         24       False
         25       False
         26       False
         27       False
         28       False
         29       False
                  ...
         1006     False
         1007     False
         1008     False
         1009     False
         1010     False
         1011     False
         1012     False
         1013     False
         1014     False
         1015     False
         1016     False
         1017     False
         1018     False
         1019     False
         1020     False
         1021     False
         1022     False
         1023     False
         1024     False
         1025     False
         1026     False
         1027     False
         1028     False
         1029     False
```

```
1030     False
1031     False
1032     False
1033     False
1034     False
1035     False
Name: link, Length: 1036, dtype: bool>
```

In [ ]: