

## Day 3 Assignment

- **Q.1** What is `sed`?
- **Q.2** Write a command to find and replace all spaces in a file with a hyphen
- **Q.3** What is the following command going to do?

```
$ cat sample.txt | sed -E 's/^the/The/g'
```

Bash

- **Q.4** Write regular expressions for the following scenarios:
  - Filter all phone numbers from a text file in the following format:  
+91 234-232-1224
  - Filter all the names from the file in the following format:  
<firstname> <lastname>  
e.g. Kishore Sharma
  - Filter all the dates from a text file in the following format  
12-7-2010  
21-11-2021
  - Filter all the links from a text file in the following format  
<https://wikipedia.org/wiki/Rome>
- **Q.5** What does the `s` in `sed 's/ / /'` stand for?
- **Q.6** What does the `g` in `sed 's/ / /g'` stand for?
- **Q.7** What does the `!`(negation) operator do?
- **Q.8** Write a line of text that matches the following expression:  
`^The[A-z-].$`
- **Q.9** What does the `-E` flag mean?