# **Instructions**

**Pre requisite:**

1. Jupyter Notebook should be installed in the laptop.
2. Below are the 2 problems statement to be solved in python using jupyter notebook. Once you are done with the solution in 90 minutes. Please attach the ipynb files and send back to the email.
3. Note: If you need any help please ping over the WebEx chat.
4. During this duration keep your webcam on and please share your screen all the time.
5. The session will be recorded

# **Problem Statement 1**

Time: ~20 mins

**Question**

Note: Do not to use if else loop

The RPS (Rock, Paper, Scissor) world championship is here. Here two players A and B play the game. You need to determine who wins.

Both players can choose moves from the set {R, P, S}.

The game is a draw if both players choose the same item.

The winning rules of RPS are given below:

Rock crushes Scissor

Scissor cuts Paper

Paper envelops Rock

**Input:**

Input that contains two characters side by side. These characters denote the moves of players A and B respectively.

**Output:**

For each test case, in a newline, print the winner. If match is draw, print 'DRAW'.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Input** | **Input** | **Output** |
| **Scenario** | **Player A** | **Player B** | **Result** |
| **1** | **R** | **R** | **Draw** |
| **2** | **R** | **S** | **A wins** |
| **3** | **S** | **R** | **B wins** |
| **4** | **S** | **P** | **A wins** |
| **5** | **P** | **P** | **Draw** |
| **6** | **P** | **S** | **B wins** |
| **7** | **R** | **P** | **B wins** |
| **..** | **..** | **..** | **..** |

# **Problem Statement 2**

Time: ~75 mins

Given are the reviews of the people for the movie. Your mission should you choose to accept is to find the list of people who are not in favor of the movie. Also, list the common negative and positive word with their frequency

Plot it in graph using seaborn or matplotlib

* No of people with negative sentiments w.r.t. frequency of word
* No of people positive sentiments w.r.t. frequency of word

**Dataset to use:**

