**Question σ:**

Solve the following tasks.

**Task (a)** What is Regex? How can it be helpful in context of web-programming?

**Task (b)** Extract all phone numbers only using Regex from the following text: “Arab academy phone number +20155 0714999 and the research lab phone number is 01143818350 where its phone number +033281600

**Task (c)** What is Web-Scraping? Provide 2 examples with use case.

**Task (d)** What is the purpose of having module for database migration?

**Task (e)** What is the purpose of using Docker? What is a Docker Daemon and a Docker client?

**Task (f)** Given the following Git/Github scenario, try to sketch the code:

* Initialize a repository in your project folder \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Connect remotely to <http://...../proj.git> \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Start a new branch called Staging: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Hint: Change current branch to Staging \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Add the files to local git: git add .
* Commit changes and use proper message \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* Push your code to staging git push -f \_\_\_\_\_\_\_\_\_\_\_\_ staging