**What is API?**

* API in this day and age refers to the approach in which we use http as a medium to communicate and execute functionality

**Exercise**

* Find a way to find trending git repositories over curl using github api

curl -G https://api.github.com/search/repositories --data-urlencode "sort=stars" --data-urlencode "order=desc" --data-urlencode "q=language:java"

* For all the microservices exposed over API’s ensure API changes are backward compatible and this has to be an integration test.

**Container – Docker**

* Container is an isolated process which gets
  + its own process tree
  + its own network interfaces
  + its own users
  + its own file mounts
  + resources (cpu,ram)
* Container consume less resources if designed/created carefully  
  