Following assignment will cover both Microservices as well as Cloud Basics. Please note, for the cloud the account with the provider (AWS) would be required. The REST APIs are expected and UI is optional.

* Assignment 1: Create following Microservices for online book store.
  + UserInfo Service, which will provide basic details about the user.
  + Books Catalogue Service, which will keep track of all the books in the store.
  + Order Service, which will keep track of all the store orders.
    - Make use of Lambda function for creating an order.
* Assignment 2: Create following Microservices for currency conversion based on the exchange.
  + Forex Service, which will provide currency exchange values for various currency.
  + Currency Conversion Service, which can convert a bucket of currencies into another currency. It uses Forex Service to get the current currency exchange values.
    - Make use of Lambda function for the conversion calculation.
* Assignment 3. If time permits use kubernetes for containerized deployment of microservices on aws for any of the above solution separately