Section 16: 82

1. Incremental load:

* 3 ways of loading: full load, incremental load or hybrid load (combined of 2) depending on the context of the problem.
* Overall solution can be divided the data into various partition and process each partition separately. (E.g. divided by date, id…) (if not exist table, overwrite for 1st time, else overwrite insert into table (or delete the partition and insert again))

1. Delta Lake:
2. Problems:

* Lack of support for unstructured data (video, image, text files
* Lack of support ML / AI workloads

1. Notes:

* Data Lake cannot update or delete data directly

1. Azure Data Factory:
   1. Problem

* Data increase exponentially from variety of sources (cloud, on premises, saas)