

Final Assignment

1- There are two types of data repositories – Transactional and Analytical. Transactional systems, also known as Online Transaction Processing (or OLTP) systems, are designed for real-time execution of a large number of database transactions that are taking place simultaneously, typically online. **Give two examples of the kind of transactional data for which an OLTP system may be used.**

Ans

- Online Banking
- Online airplane ticket booking

2- According to the course material, the architecture of a data platform consists of five layers, each layer responsible for a specific set of tasks. **List at least 2 layers in a data platform.**

Ans

- Data ingestion / Data Collection
- Data storage and integration
- data Processing
- Analysis and User Interface
- Data pipeline

3- List two factors that you would consider in order to make a decision about the type of **data store** that meets your organization's needs for a particular implementation.

- Usability
- Security
- Scalability