Azure Databricks with Delta Lake

1 Explain Azure Databricks compute and compute options available in it.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3 What is DBFS in Azure Databricks? In which scenarios DBFS will be useful?

4 Mention at least 2 differences between Delta table and External tables

5 In which scenario you should choose serverless SQL pool? Explain in detail.

6 Explain Delta Lake and Need of delta lake architecture in the modern data analytics.

7 Explain Time travel with Delta tables

8 What is spark.sql function used for?

9 Explain any three data exploration python functions of pyspark notebooks.

10 Compare Data warehouse with data lakehouse architecture.