1. Connecting Spark DataFrame with MySQL using JDBC

read\_mysql = sqlContext.read.format("jdbc").option("url", "jdbc:mysql://18.212.88.23/databricks").option("driver", "com.mysql.jdbc.Driver").option("dbtable", "emp\_details\_2").option("user", "root").option("password", "India\_2020").load()

read\_mysql.show()

1. Extracting data from MYSQL based upon a query result

pushdown\_query **=** "(select \* from emp\_details\_2 where emp\_no < 10008) emp\_alias"

df **=** spark.read.jdbc(url**=**jdbcUrl, table**=**pushdown\_query, properties**=**connectionProperties)

display(df)

1. Read a specific column from MYSQL

df = spark.read.jdbc(url=jdbcUrl, table="emp\_details\_2", column="emp\_no", lowerBound=1, upperBound=100000, numPartitions=100)

display(df)

1. Write the Data into MYSQL

spark.table("emp\_final").withColumnRenamed("table", "table\_number")

.write

.mode(SaveMode.Overwrite) // <--- Overwrite the existing table

.jdbc(jdbcUrl, "emp\_final", connectionProperties)