CSE 817: Data Engineering	Name:
CT 1 Date: 22/02/2023	ID:
This exam contains 2 pages and 3 question	ons. Total of points is 20.
1 0 1	<u>.</u>
1. (5 points) Specify key three metrics that lational database.	t distinguish Big Data from the traditional re-
2. (5 points) "Apache Spark performs transplain how it performs lazy evaluations.	sformations on RDDs in a lazy manner." – ex-

	(5 points) Pseudocod using the <b>MapReduce</b> framework. Include both <b>Map</b> and <b>Reduce</b> functions.
b)	(5 points) Java program using Apache Spark. Write only the core component of the main program starting from the following program.  SparkSession spark = SparkSession.builder().appName("WordCount").getOrCreate