

CSE427s - 8 Lab8 50% (2/4)



- (A) batch data ingest from RDMS to HDFS
- (B) batch data ingest from a local filesystem to HDFS
- ingesting streaming data into HDFS
- D stream processing

× 2. What are **short comings of Hadoop MapReduce** that are overcome by Spark?

- (A) serialization is limited to key-value paris
- B job workflows consisting of multiple jobs can only be DAGs (directed acyclic graphs)
- job workflows consisting of multiple jobs read and write the output of each job to HDFS
- (D) data in HDFS is read-only (no random writes and updates)
- **E** Java only
- 3. Name a Spark operation that is a transformation. map()
- 4. Name a Spark operation that is an action.
 count()

✓ 5. What are properties of transformations and actions?

- (A) transformations return a variable/value, actions produce an RDD
- B actions return a variable/value, transformations produce an RDD
- (c) job execution is triggered by transformations
- job execution is triggered by actions
- (E) the output of transformations is stored in HDFS
- F) the output of actions is stored in HDFS

6. Why is the Spark execution so fast? (select all that apply)

- (A) Command Chaining
- B Lazy Execution
- C Pipelining

Na, Chen Page 1 of 2

0	7. Post your spark code to create the pair RDD for postal codes in the form (postalcode, (lat,long)).
	mydata.map(lambda x:(x.split(" ")[0],(x.split(" ")[1],x.split(" ")[2])))
0	8. Post your spark code to create the pair RDD for product ids and skus in the form (product_id, sku).

Na, Chen Page 2 of 2