National University of Computer and Emerging Sciences, Lahore Campus

THE PARTY OF THE P	Course: Program: Duration: Paper Date:	BIGDATA MS(CS) 15 Minutes 22-2-2018		Course Code: Semester: Total Marks: NAME: ROLLNO:	CS Spring 2018
Instruction/Notes:	Exam: Solve the e	Quiz 1 exam in the space	provided.	ROLLINO.	
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Question 1:					
1. [1 marks] What the difference between the job tracker and name node?					
2. [1 mark] Why and how job tracker is replaced in Map Reduce 2					
3. [8 marks] Develop an <u>efficient Map</u> reduce algorithm to solve the following problem.					
You are given a log of sensor errors that are generated for a particular date. Your task is to find the errors that have occurred on three or more different sensors, also display the name of the sensor on which that error occurred. Input file contains following information: SensorID, Date, ID's of the errors that occurred on given date Example					
S1 12-02-09 E2 S2 1-01-12 E2, S1 1-02-11 E1 S4 5-01-12 E1, S7 17-11-12 E2	E3, E9, E10 E2, E3, E10				
Output Should be E2 S1. S2. S4. S5					