**Answer1 :** Pig make use of parallel processing power provided by Map Reduce to execute all of its data processing.

**Answer2:** Advantages provided by pig over Map Reduce are :

1. Pig provide inbuilt function all the standard data – processing operation such join, filter,group by , order by.
2. Pig make use of join or order by operators to rebalance amount of data flown to each reducer.
3. Pig can perform error checking and optimization of user script.
4. Pig Latin is much lower cost to write and maintain than map reduce code.

**Answer3:**  Pig Engine act as an interpreter between pig latin scripts and map reduce jobs. It creating environment to execute pig scripts into series of mapreduce jobs in parallel manner.

**Answer4:** Modes of execution of Pig are :

1. Local Mode : In local mode, we don’t need to start hadoop ecosystem. The pig scripts will run in local system.
2. Map Reduce Mode : In the mode , it is mandatory to start hadoop. Pig scripts run and stored in HDFS.

**Answer 5 :** Grunt is Pig’s interactive shell. It enables users to enter Pig Latin interactively and

provides a shell for users to interact with HDFS.

**Answer 6 :** Pig commands are not case sensitive but relations and UDF names are case sensitive.

**Answer7:** Data Flow language allows users to describe how data from one or more inputs to be read , processed and then store to one or more outputs in paralle.