Q1.Pig is scripting language which runs on top map reduce frame work. It runs on top of map reduce when the pig script is executed the corresponding map reduce program is created and executed. It abstracts the map reduce program from the programmer.

Q2.The number of lines of code is very small compared to map reduce. Pig can be easily used on unstructured data. It is easy to code. Pig has many built in functions. It can compute data which cannot be done in map reduce processing.

Q3.Pig engine acts as interpreter between pig script and map reduce jobs. It create environment to execute pig scripts as a series of map reduce program in parallel manner.

Q4.Pig has two mode. One is local mode and another is Mapreduce mode. In local mode the data is accessed from the local machine. In mapreduce mode the data is accessed from the hadoop cluster.

Q5.Grunt shell is used to run pig scripts along with wee can use fsshell and shell command in grunt shell. The shell command is used with sh and fs is used for fsshell command.

Q6Rich set of operators − It provides many operators to perform operations like join, sort, filer, etc.Ease of programming − Pig Latin is similar to SQL and it is easy to write a Pig script if you are good at SQL.Optimization opportunities − The tasks in Apache Pig optimize their execution automatically, so the programmers need to focus only on semantics of the language.Extensibility − Using the existing operators, users can develop their own functions to read, process, and write data.UDF’s − Pig provides the facility to create User-defined Functions in other programming languages such as Java and invoke or embed them in Pig Scripts.Handles all kinds of data − Apache Pig analyzes all kinds of data, both structured as well as unstructured. It stores the results in HDFS.

Q7.No pig script are not case sensitive

Q8.In data flow language the data flow from one operation to another in the form of directed graph.