**What is UDF?**

User Defined Functions (UDFs) in hive are used to plug in our own logic in terms of code into hive when we are not able to get the desired result from hive's built in functions. We can invoke the UDFs from hive query.

**Few UDF Scenarios**

1. **The date format present in the input file is not accepted by hive date format. A UDF can be written to convert the date format in the input file(say 7 May 2017) to Hive date format(2017-07-05).**
2. **For finding out the maximum marks obtained out of four subjects by a student.**
3. To get the count of a field in hive table excluding the NULL values .
4. **When data in the input file in degree Celsius while the end result in hive has to be in degree Fahrenheit.**
5. **To find the mean of total sales, region wise for a report.**

**PIG UDFS**

1. **Pig UDFs can be written for image processing to convert a sequence to image or viceversa.**
2. **Pig UDFs can be written to analyze the logs to show the data for particular date format for a user.**
3. **Pig UDF can be written to change the sentences in an input file to Title case. Or to insert any special characters to highlight particular words.**