1. **SPARK**
   1.1 **Single record lookup**
   hadoop fs -cat /user/ec2-user/output_spark/sparkrdd_fetchrecord2/part-00000
   2,2017-10-01 00:15:30,2017-10-01
   00:25:11,1,2.17,1,N,141,142,1,9,0.5,0.5,2.06,0,0.3,12.36

   1.3 **Group by records according to payment type**

   hadoop fs –cat /user/ec2-user/output_spark/sparkrdd44_fetchrecord11/ part-
   00000

2. **MAP REDUCE**
   2.1 **Single record lookup**
   hadoop fs -cat /user/ec2-user/output_spark/sparkq1_output2/part-r-00001
   2   2017-10-01 00:15:30 2017-10-01 00:25:11 1 2.17 1 N 141 142 1 9 0.5 0.5
   2.06 0 0.3 12.36
   2.3 **Group by records according to payment type**
   hadoop fs -cat /user/ec2-user/output_spark/sparkq3_output1/part-r-00000
   4   1449879
   3   4965530
   2   300019553
   1   620370902