```
import org.apache.spark.sql.hive.HiveContext
import org.apache.spark.sql.hive.HiveContext
import org.apache.spark.sql._
import org.apache.spark.sql.SQLContext._
import org.apache.spark.sql.hive.HiveContext
import org.apache.spark.sql.hive.HiveContext
val uidEnrolmentDF = sqlContext.read.format("com.databricks.spark.csv").option("header", "true").option("inferSchema", "true").load("/FileStore/tables
/0pze7syp1500132853172/UIDAI_ENR_DETAIL_20170711-c2418")
uidEnrolmentDF: org.apache.spark.sql.DataFrame = [Registrar: string, Enrolment Agency: string ... 10 more fields]
uidEnrolmentDF.createOrReplaceTempView("uid_enrolments_detail")
uidEnrolmentDF.printSchema
root
 |-- Registrar: string (nullable = true)
 |-- Enrolment Agency: string (nullable = true)
 |-- State: string (nullable = true)
 |-- District: string (nullable = true)
 |-- Sub District: string (nullable = true)
 |-- Pin Code: string (nullable = true)
 |-- Gender: string (nullable = true)
 |-- Age: integer (nullable = true)
 |-- Aadhaar generated: integer (nullable = true)
 |-- Enrolment Rejected: integer (nullable = true)
 |-- Residents providing email: integer (nullable = true)
 |-- Residents providing mobile number: integer (nullable = true)
val stateWiseCountDF = sqlContext.sql("""
                                              | SELECT State,
                                                       SUM(`Aadhaar generated`) as count
                                                FROM uid_enrolments_detail
                                                GROUP BY state
                                               ORDER BY count DESC""")
stateWiseCountDF: org.apache.spark.sql.DataFrame = [State: string, count: bigint]
stateWiseCountDF.show()
    -----+
            State | count |
    Uttar Pradesh | 182712 |
            Bihar | 75723 |
   Madhya Pradesh | 39612
         Rajasthan | 36415|
          Gujarat 33542
      West Bengal | 32455|
        Karnataka 26978
           Odisha 24514
      Maharashtra 22678
       Tamil Nadu | 21278|
           Kerala| 10727|
         Jharkhand 9514
   Andhra Pradesh | 7647
        Telangana | 6551 |
|Jammu and Kashmir| 4820|
          Haryana 4585
            Delhi | 4041 |
      Uttarakhand| 2569|
stateWiseCountDF.write.mode("overwrite").saveAsTable("uid_state_wise_count")
val maxEnrolmentAgencyDF = sqlContext.sql("""
                                                  | SELECT `Enrolment Agency` as Enrolment_Agency,
                                                           count('Aadhaar generated') as count
                                                    FROM uid_enrolments_detail
                                                    GROUP BY `Enrolment Agency`
                                                   ORDER BY count DESC""".stripMargin)
maxEnrolmentAgencyDF: org.apache.spark.sql.DataFrame = [Enrolment_Agency: string, count: bigint]
```

import org.apache.spark.sql._

maxEnrolmentAgencyDF.show()

| Enrolment_Agency| count| +-----

import org.apache.spark.sql.SQLContext._

```
CSC SPV 117009
|SREI INFRASTRUCTU...| 20452|
|Rajcomp Info Serv...| 12473|
|Karvy Data Manage...| 10474|
    MPOnline Limited | 10278 |
|National Cooperat...| 9586|
            Akshaya 9553
|Vakrangee Softwar...| 7916|
|SRM Education And...| 7423|
|TAMILNADU ARASU C...| 7050|
|Twinstar Industri...| 6478|
      AISECT Limited | 6183
|Gujarat Infotech ... | 5608|
|RELIGARE SECURITI...| 5298|
|Abha Systems And ...| 5158|
       Computer LAB | 4912|
|Electronics Corpo...| 4720|
Directorate of ESD| 4492|
```

```
maxEnrolmentAgencyDF.write.mode("overwrite").saveAsTable("uid_agency_wise_count")
```

```
districtWiseGenderCountDF.write.mode("overwrite").saveAsTable("uid_district_wise_gndr_count")
```

```
District|male_count|FEMALE_count|
   -----+
      Bengaluru 3016
                            2795
      Allahabad 1680
                            2348
                1612
        Jaunpur
                            2121
       Ghazipur
                 1602
                            2026
          Patna
                 1528
                            2328
North 24 Parganas
                 1470
                            1757
|Thiruvananthapuram|
                  1357
                            220
      Ahmedabad
                  1340
                            2049
                  1315
          Gaya
                            1776
     Muzaffarpur
                  1288
                            1756
```

districtWiseGenderCountDF.show()

%sql select * from uid_district_wise_gndr_count

District		FEMALE	^
District	male_count	FEMALE_count	
Bengaluru	3016	2795	
Allahabad	1680	2348	
Jaunpur	1612	2121	
Ghazipur	1602	2026	
Patna	1528	2328	
North 24 Parganas	1470	1757	
Thiruvananthapuram	1357	220	
Ahmedabad	1340	2049	
Cava	1215	177C	~