We are using mapreduce & hive

In Hive:

create table show\_viewersex (show string,view int)

row format delimited

fields terminated by ','

stored as textfile;

(We also have to add all Hadoop JAR files)

LOAD DATA LOCAL INPATH '/home/abhinav/Desktop/show\_channel.txt' OVERWRITE INTO TABLE show\_channel1 --input-fields-terminated-by ',' ;

LOAD DATA LOCAL INPATH '/home/abhinav/Desktop/show\_viewers.txt' OVERWRITE INTO TABLE show\_viewersex --input-fields-terminated-by ',' ;

(Now We are Joining two tables here)

select c.show, c.channel,v.view from show\_channel1 c, show\_viewersex v where c.show = v.show;

create table xxx as select c.show, c.channel,v.view from show\_channel1 c, show\_viewersex v where c.show = v.show;

Query 1: hive> select count(view) from xxx where channel ='ABC';

Output: 2096

Java Program For Query 1: import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

class demo1{

public static void main(String args[]){

try{

Class.forName("org.apache.hadoop.hive.jdbc.HiveDriver");

Connection con=DriverManager.getConnection("jdbc:hive://localhost:10000/default");

Statement stmt=con.createStatement();

String str ="select count(view) from xxx where channel ='ABC'";

ResultSet rs=stmt.executeQuery(str);

while(rs.next())

System.out.println(rs.getInt(1));

con.close();

}catch(Exception e){ System.out.println(e);}

}

}

Query 2: select count(view) from xxx where channel ='BAT';

Output: 9613

Java Program For Query 2: import java.sql.\*;

class demo{

public static void main(String args[]){

try{

Class.forName("org.apache.hadoop.hive.jdbc.HiveDriver");

Connection con=DriverManager.getConnection("jdbc:hive://localhost:10000/default");

Statement stmt=con.createStatement();

String str ="select count(view) from xxx where channel ='BAT'";

ResultSet rs=stmt.executeQuery(str);

while(rs.next())

System.out.println(rs.getInt(1));

con.close();

}catch(Exception e){ System.out.println(e);}

}

}

Query 3: select max(show) from xxx where channel='ABC';

Output: Surreal\_Sports

Java Program For Query 3: import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

class demo2{

public static void main(String args[]){

try{

Class.forName("org.apache.hadoop.hive.jdbc.HiveDriver");

Connection con=DriverManager.getConnection("jdbc:hive://localhost:10000/default");

Statement stmt=con.createStatement();

String str ="select max(show) from xxx where channel='ABC'";

ResultSet rs=stmt.executeQuery(str);

while(rs.next())

System.out.println(rs.getString(1));

con.close();

}catch(Exception e){ System.out.println(e);}

}

}

Query 4: select show from xxx where channel in ('ABC','ZOO','NOX');

Output: Baked\_Show

Cold\_Cooking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_Show

Hot\_Show

Dumb\_Games

PostModern\_Talking

PostModern\_Talking

Loud\_Cooking

Surreal\_Show

Hourly\_Show

Hourly\_Show

Almost\_News

Almost\_News

Dumb\_Talking

Dumb\_Talking

PostModern\_Show

Baked\_Talking

Loud\_Games

Cold\_Talking

Surreal\_Sports

Hourly\_Sports

Hot\_Talking

Dumb\_Show

Dumb\_Show

PostModern\_Sports

Baked\_News

Baked\_News

Loud\_Talking

Loud\_Talking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_News

Almost\_Games

Almost\_Games

PostModern\_Talking

PostModern\_Talking

Baked\_Cooking

Loud\_Show

Cold\_Sports

Cold\_Sports

Surreal\_News

Hourly\_News

Hot\_Cooking

Dumb\_Talking

Dumb\_Talking

PostModern\_News

Baked\_Games

Baked\_Games

Loud\_Sports

Cold\_Talking

Surreal\_Cooking

Hourly\_Cooking

Hot\_Games

Hot\_Games

Almost\_Show

Almost\_Show

PostModern\_Cooking

Baked\_Talking

Loud\_Talking

Loud\_Talking

Cold\_News

Cold\_News

Hourly\_Games

Hot\_Talking

Almost\_Sports

Dumb\_Cooking

PostModern\_Games

Baked\_Show

Cold\_Cooking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_Show

Hot\_Show

Dumb\_Games

PostModern\_Talking

PostModern\_Talking

Loud\_Cooking

Surreal\_Show

Hourly\_Show

Hourly\_Show

Almost\_News

Almost\_News

Dumb\_Talking

Dumb\_Talking

PostModern\_Show

Baked\_Talking

Loud\_Games

Cold\_Talking

Surreal\_Sports

Hourly\_Sports

Hot\_Talking

Dumb\_Show

Dumb\_Show

PostModern\_Sports

Baked\_News

Baked\_News

Loud\_Talking

Loud\_Talking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_News

Almost\_Games

Almost\_Games

PostModern\_Talking

PostModern\_Talking

Baked\_Cooking

Loud\_Show

Cold\_Sports

Cold\_Sports

Surreal\_News

Hourly\_News

Hot\_Cooking

Dumb\_Talking

Dumb\_Talking

PostModern\_News

Baked\_Games

Baked\_Games

Loud\_Sports

Cold\_Talking

Surreal\_Cooking

Hourly\_Cooking

Hot\_Games

Hot\_Games

Almost\_Show

Almost\_Show

PostModern\_Cooking

Baked\_Talking

Loud\_Talking

Loud\_Talking

Cold\_News

Cold\_News

Hourly\_Games

Hot\_Talking

Almost\_Sports

Dumb\_Cooking

PostModern\_Games

Baked\_Show

Cold\_Cooking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_Show

Hot\_Show

Dumb\_Games

PostModern\_Talking

PostModern\_Talking

Loud\_Cooking

Surreal\_Show

Hourly\_Show

Hourly\_Show

Almost\_News

Almost\_News

Dumb\_Talking

Dumb\_Talking

PostModern\_Show

Baked\_Talking

Loud\_Games

Cold\_Talking

Surreal\_Sports

Hourly\_Sports

Hot\_Talking

Dumb\_Show

Dumb\_Show

PostModern\_Sports

Baked\_News

Baked\_News

Loud\_Talking

Loud\_Talking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_News

Almost\_Games

Almost\_Games

PostModern\_Talking

PostModern\_Talking

Baked\_Cooking

Loud\_Show

Cold\_Sports

Cold\_Sports

Surreal\_News

Hourly\_News

Hot\_Cooking

Dumb\_Talking

Dumb\_Talking

PostModern\_News

Baked\_Games

Baked\_Games

Loud\_Sports

Cold\_Talking

Surreal\_Cooking

Hourly\_Cooking

Hot\_Games

Hot\_Games

Almost\_Show

Almost\_Show

PostModern\_Cooking

Baked\_Talking

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PostModern\_Talking

PostModern\_Talking

Loud\_Cooking

Surreal\_Show

Hourly\_Show

Hourly\_Show

Almost\_News

Almost\_News

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Dumb\_Talking

PostModern\_Show

Baked\_Talking

Loud\_Games

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Dumb\_Show

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PostModern\_Sports

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Loud\_Talking

Loud\_Talking

Surreal\_Talking

Surreal\_Talking

Hourly\_Talking

Hourly\_Talking

Hot\_News

Almost\_Games

Almost\_Games

PostModern\_Talking

PostModern\_Talking

Baked\_Cooking

Loud\_Show

Cold\_Sports

Cold\_Sports

Surreal\_News

Hourly\_News

Hot\_Cooking

Dumb\_Talking

Dumb\_Talking

PostModern\_News

Baked\_Games

Baked\_Games

Loud\_Sports

Cold\_Talking

Surreal\_Cooking

Hourly\_Cooking

Hot\_Games

Hot\_Games

Almost\_Show

Almost\_Show

PostModern\_Cooking

Baked\_Talking

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Loud\_Talking

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Hot\_Show

Hot\_Show

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PostModern\_Talking

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Surreal\_Show

Hourly\_Show

Hourly\_Show

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Almost\_News

Dumb\_Talking

Dumb\_Talking

PostModern\_Show

Baked\_Talking

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Surreal\_Sports

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PostModern\_Show

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Loud\_Games

Cold\_Talking

Surreal\_Sports

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Hot\_Talking

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Almost\_Show

Almost\_Show

PostModern\_Cooking

Baked\_Talking

Loud\_Talking

Loud\_Talking

Cold\_News

Cold\_News

Hourly\_Games

Hot\_Talking

Almost\_Sports

Time taken: 0.074 seconds, Fetched: 6951 row(s)

Java Program For Query 4: import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.ResultSet;

import java.sql.Statement;

class demo3{

public static void main(String args[]){

try{

Class.forName("org.apache.hadoop.hive.jdbc.HiveDriver");

Connection con=DriverManager.getConnection("jdbc:hive://localhost:10000/default");

Statement stmt=con.createStatement();

String str ="select show from xxx where channel in ('ABC','ZOO','NOX')";

ResultSet rs=stmt.executeQuery(str);

while(rs.next())

System.out.println(rs.getString(1));

con.close();

}catch(Exception e){ System.out.println(e);}

}

}