```
sudo -u hdfs hdfs dfsadmin -safemode leave
```
===
```
CREATE TABLE IF NOT EXISTS channelinfo ( program String, channel String)
COMMENT 'TV Channel details'
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
STORED AS TEXTFILE;

CREATE TABLE IF NOT EXISTS programinfo ( program String, viewers Int)
COMMENT 'TV Channel Viewers details'
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
STORED AS TEXTFILE;
```
===
```
LOAD DATA LOCAL INPATH
'/home/training/hive_training/project_data/join2_genchanA.txt'
INTO TABLE channelinfo;

LOAD DATA LOCAL INPATH
'/home/training/hive_training/project_data/join2_genchanB.txt'
INTO TABLE channelinfo;

LOAD DATA LOCAL INPATH
'/home/training/hive_training/project_data/join2_genchanC.txt'
INTO TABLE channelinfo;

LOAD DATA LOCAL INPATH
'/home/training/hive_training/project_data/join2_gennumA.txt'
INTO TABLE programinfo;

LOAD DATA LOCAL INPATH
'/home/training/hive_training/project_data/join2_gennumB.txt'
INTO TABLE programinfo;

LOAD DATA LOCAL INPATH
'/home/training/hive_training/project_data/join2_gennumC.txt'
INTO TABLE programinfo;
```
===
```
Question - What is the total number of viewers for shows on ABC?
Answer - 1115974
Solution-
select sum(pi.viewers) toatl_viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel ='ABC';
```
===
```
Question - What is the total number of viewers for shows on ABC?
Answer - 5099141
Solution-
select sum(pi.viewers) toatl_viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel ='BAT';
```
===

Question - What is the number of viewers for the BAT channel?
Solution -
select ci.program, sum(pi.viewers) viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel = 'BAT'
group by ci.program;
Answer -
Almost_Cooking   49501
Almost_Games   49237
Almost_News   93184
Almost_Show   50202
Almost_Sports   98614
Almost_Talking   202854
Baked_Cooking   48994
Baked_Games   51604
Baked_News   94422
Baked_Show   48413
Baked_Sports   103572
Baked_Talking   285309
Cold_Cooking   51932
Cold_Games   47524
Cold_News   47924
Cold_Sports   104010
Cold_Talking   284943
Dumb_Cooking   51647
Dumb_Games   101192
Dumb_News   104466
Dumb_Show   107648
Dumb_Talking   207788
Hot_Cooking   51694
Hot_Games   50228
Hot_News   112378
Hot_Show   54378
Hot_Sports   98532
Hot_Talking   197620
Hourly_Cooking   54208
Hourly_Games   108292
Hourly_News   50604
Hourly_Show   96566
Hourly_Sports   54050
Hourly_Talking   216326
Loud_Cooking   48555
Loud_Games   98964
Loud_News   98332
Loud_Show   50820
Loud_Sports   48220
Loud_Talking   204476
PostModern_Cooking   50648
PostModern_Games   50644
PostModern_News 100042
PostModern_Show 48775
PostModern_Sports   100408
PostModern_Talking   193636
Surreal_Cooking 51880

```
Surreal_Games    53681
Surreal_Show     48462
Surreal_Sports   93668
Surreal_Talking 328074
```
==
Question - What is the most viewed show on ABC channel?
Answer - Hourly_Talking 108163
Solution -
```
select ci.program, sum(pi.viewers) as viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel = 'ABC'
group by ci.program
order by viewers desc
limit 1;
```
==
Question - What are the aired shows on ZOO,NOX, ABC channels ?
Answer -
```
NOX     Surreal_Talking 218716
ABC     Hourly_Talking  108163
```

```
select u.channel, u.program, u.viewers from
(
select ci.channel, ci.program, sum(pi.viewers) viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel ='ZOO'
group by ci.channel, ci.program
order by viewers desc
limit 1
union all
select ci.channel, ci.program, sum(pi.viewers) viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel ='NOX'
group by ci.channel, ci.program
order by viewers desc
limit 1
union all
select ci.channel, ci.program, sum(pi.viewers) viewers
from channelinfo ci join programinfo pi
on ci.program = pi.program
where ci.channel ='ABC'
group by ci.channel, ci.program
order by viewers desc
limit 1
) u;
```
==
Question - Considering all the Shows shown on ABC, which is the show that is
telecast the most number of times across all channels?
Answer - Hourly_Talking 19
```
select ci.program program, count(*) count
from channelinfo ci inner join (select distinct program from channelinfo where
channel = 'ABC') a
on ci.program = a.program
group by ci.program
```

```
order by count desc
limit 1;
```