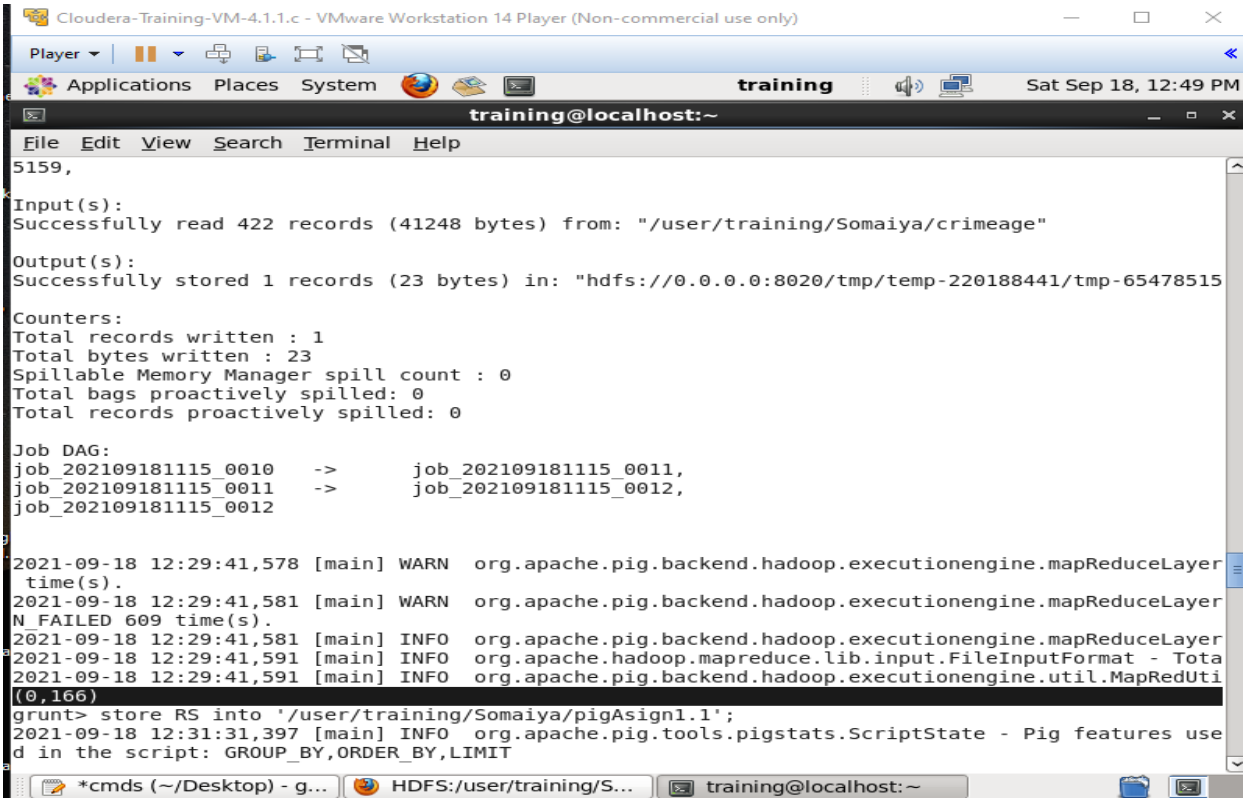
(2) Calculate the number of females (age between 18-30 years) who were victims in different crimes in different states.

CODE:

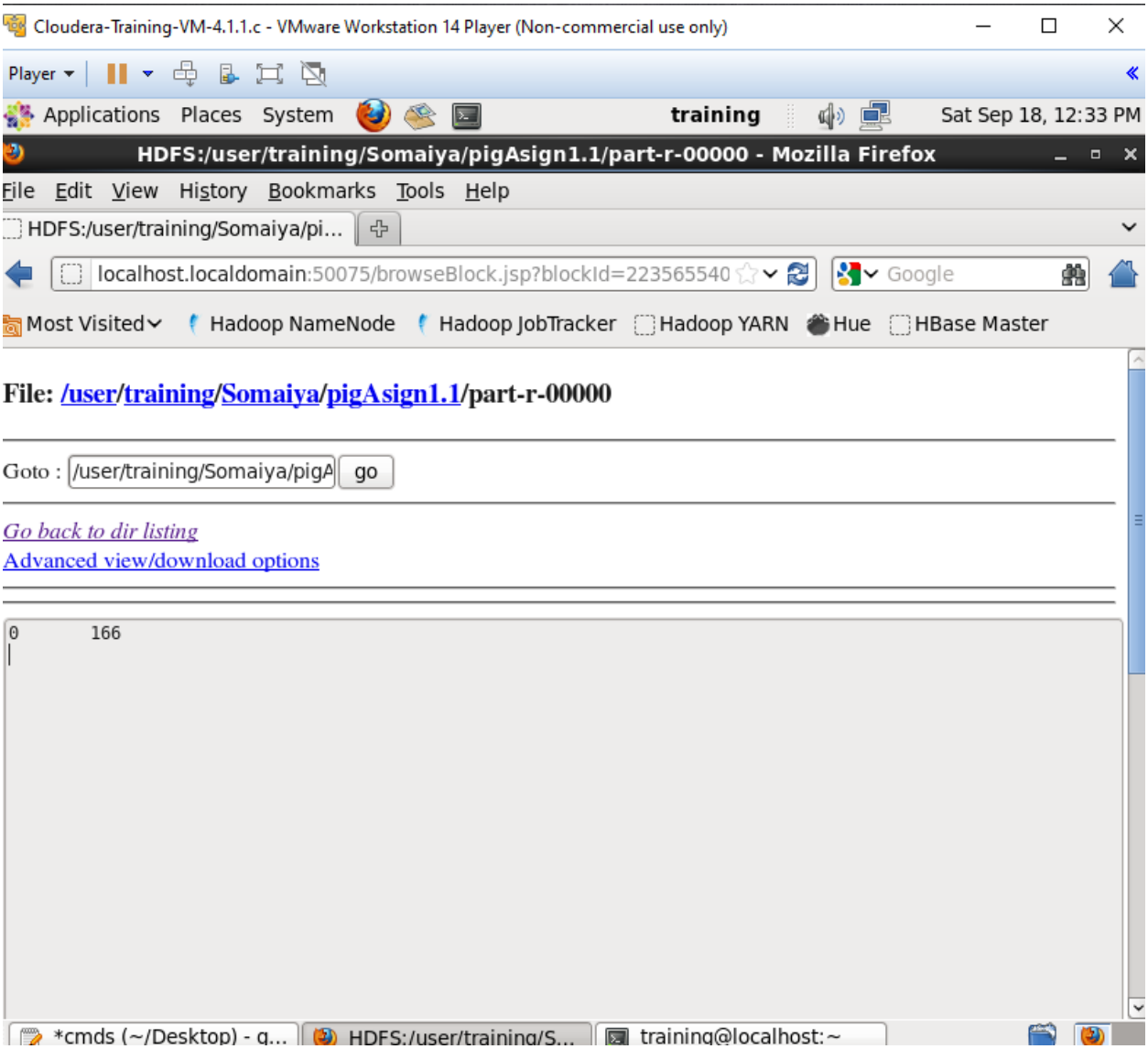
```
cage = LOAD '/user/training/Somaiya/crimeage' using PigStorage(',') AS
(state:chararray,crime:chararray,year:long,mblw18:long,fblw18:long,mbtw18_30:long,fbtw18_30:long,
mbtw30_45:long,fbtw30_45:long,mbtw45_60:long,fbtw45_60:long,mabv60:long,fabv60:long,tmale:lon
g,tfemale:long);

X = group cage by fbtw18_30;

Y = FOREACh X generate group, COUNT(cage);

RSLT = LIMIT Y 1;

dump RSLT;
```

OUTPUT:



STORING OUTPUT ON HDFS:

Command: store RSLT into '/user/training/Somaiya/pigAsign1.1';

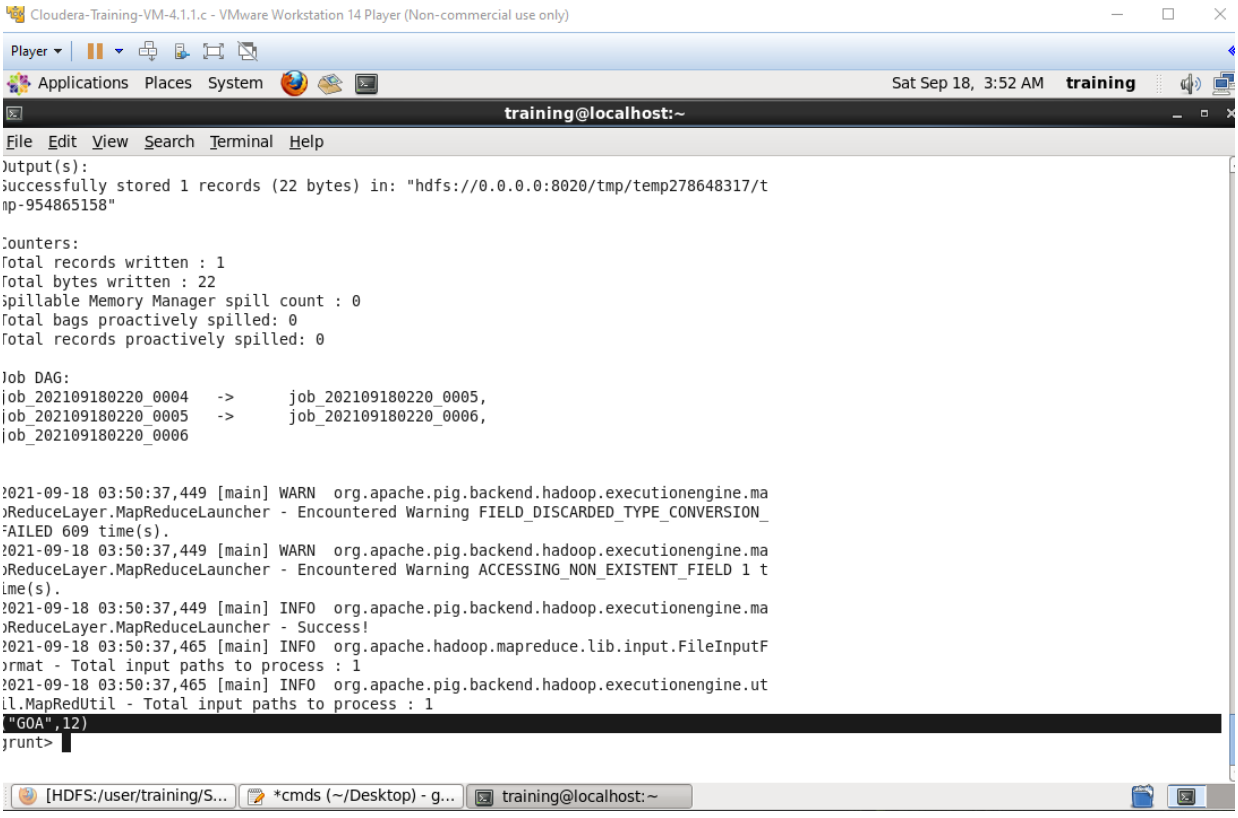


(4) Find crime wise which state is having highest count.

CODE:

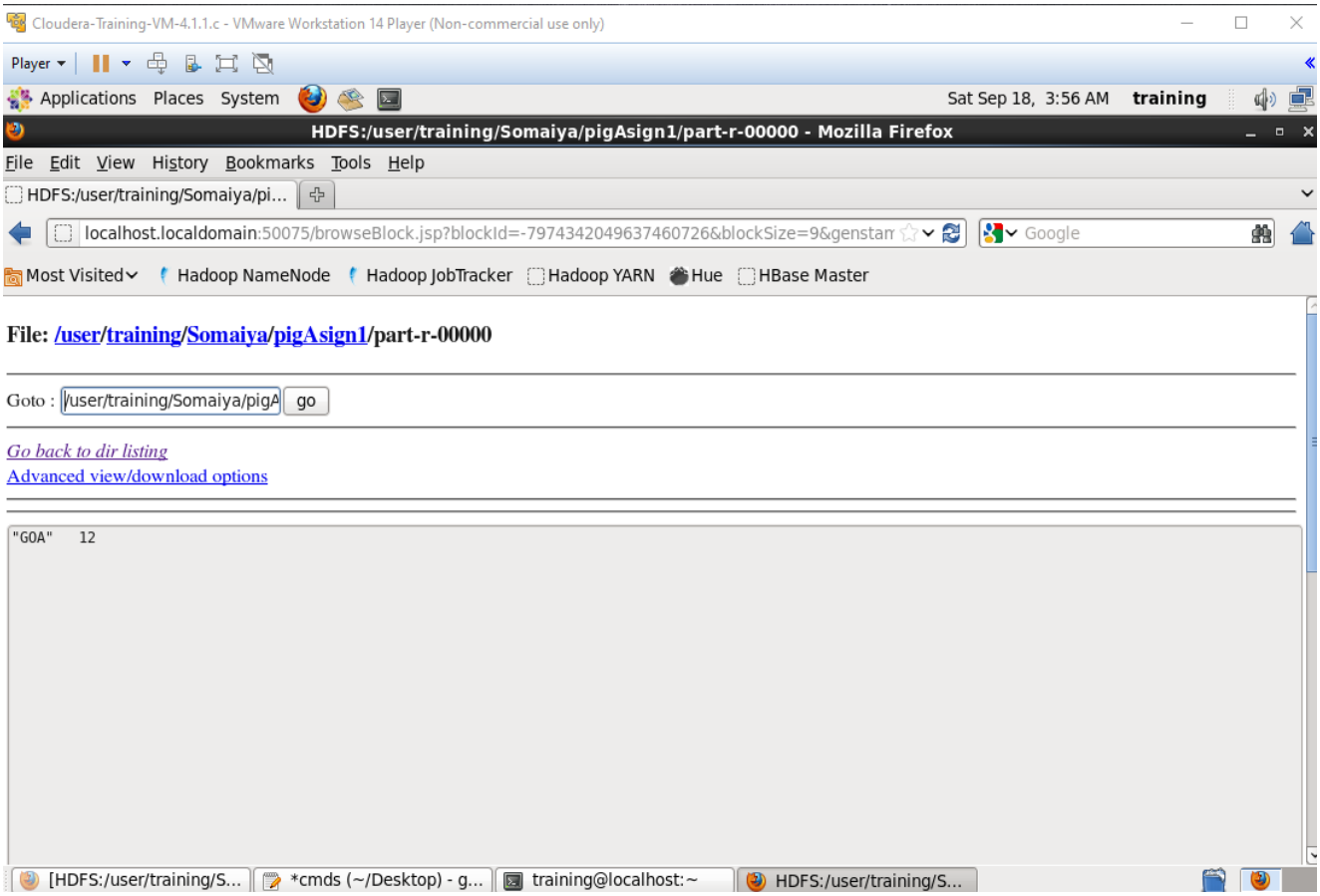
```
cage = LOAD '/user/training/Somaiya/crimeage' using PigStorage(',') AS
(state:chararray,crime:chararray,year:long,mblw18:long,fblw18:long,mbtw18_30:long,fbtw18_30
:long,mbtw30_45:long,fbtw30_45:long,mbtw45_60:long,fbtw45_60:long,mabv60:long,fabv60:lon
g,tmale:long,tfemale:long);


A = group cage by state;

B = FOREACH A generate group, COUNT(cage);

C = order B by $1 desc;

RS = LIMIT C

dump RS;
```

OUTPUT:



STORING OUTPUT ON HDFS:

Command: store RS into '/user/training/Somaiya/pigAsign1';

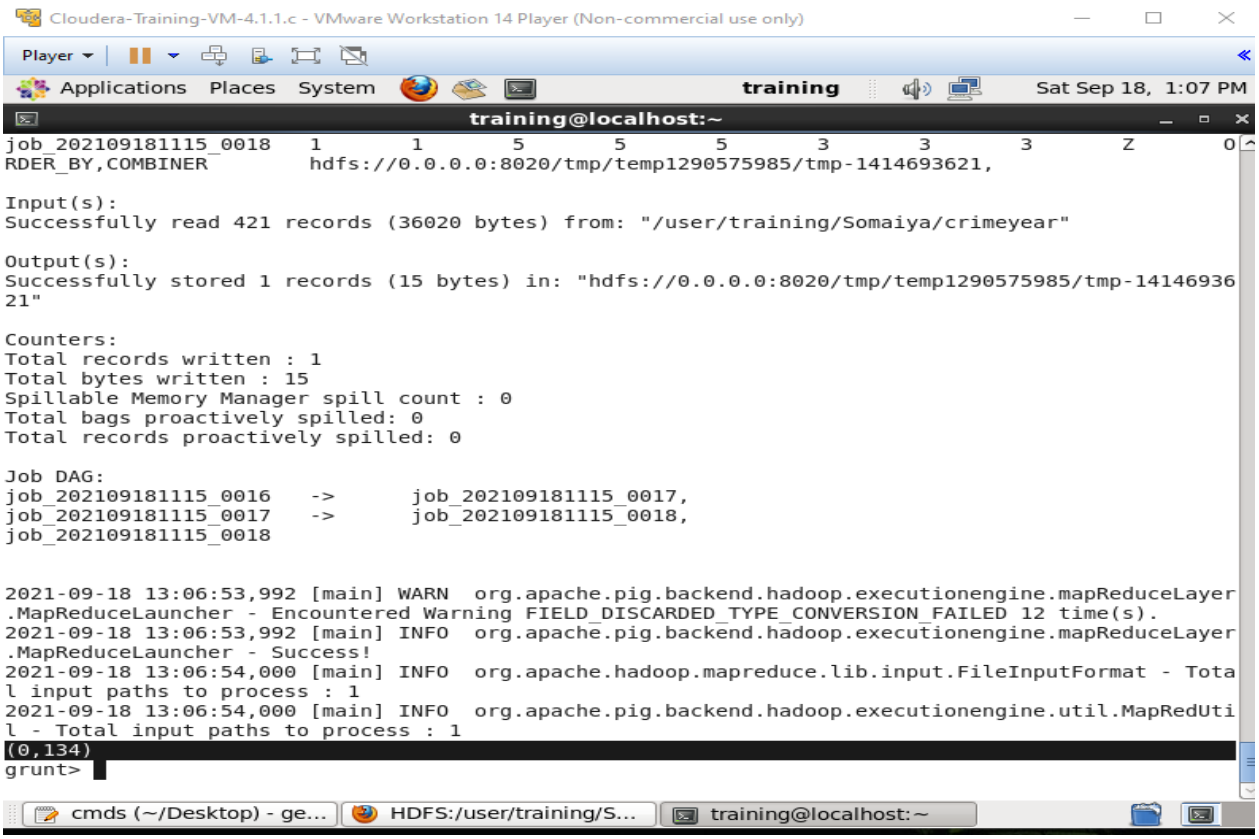


(1) To find the total number of crimes which occurred in all the states in the year 2006.

CODE:

```
cyear = LOAD '/user/training/Somaiya/crimeyear' using PigStorage(',') AS
(state:chararray,crime:chararray,y2001:int,y2002:int,y2003:int,y2004:int,y2005:int,y2006:int,y2007:int,y
2008:int,y2009:int,y2010:int,y2011:int,y2012:int);

 X = group cyear by y2006;

 Y = FOREACH X generate group,COUNT(cage);

 R = LIMIT Y 1;

 dump R;
```

OUTPUT:



STORING OUTPUT ON HDFS:

Command: store R into '/user/training/Somaiya/pigAsign1.2';