

```

DROP TABLE IF EXISTS AirLineDelay;
DROP TABLE IF EXISTS summaryDelay;
DROP TABLE IF EXISTS eachDelay;

CREATE EXTERNAL TABLE AirLineDelay
(rowID bigint, Year int, Month int, DayofMonth int, DayOfWeek
int,
DepTime double, CRSDepTime int, ArrTime double, CRSArrTime
double,
UniqueCarrier string, FlightNum int, TailNum String,
ActualElapsedTime double,
CRSElapsedTime double, AirTime double, ArrDelay double, DepDelay
double,
Origin String, Dest String, Distance int, TaxiIn double, TaxiOut
double,
Cancelled int, CancellationCode String, Diverted int,
CarrierDelay double,
WeatherDelay double, NASDelay double, SecurityDelay double,
LateAircraftDelay double)
ROW FORMAT DELIMITED
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
STORED AS TEXTFILE
LOCATION "s3://thathsara-video-presentation-assignment/input/";

CREATE EXTERNAL TABLE summaryDelay(
Year string,
carrier_delay string,
nas_delay string,
weather_delay string,
late_aircraft_delay string,
security_delay string)
STORED AS SEQUENCEFILE
LOCATION "s3://thathsara-video-presentation-assignment/tables/";

-- Against Year Summary delay from 2003-2010
INSERT OVERWRITE TABLE summaryDelay
SELECT Year, SUM(CarrierDelay) AS carrier_delay,
SUM(NASDelay) AS nas_delay,
SUM(WeatherDelay) AS weather_delay,
SUM(LateAircraftDelay) AS late_aircraft_delay,
SUM(SecurityDelay) AS security_delay
FROM AirLineDelay
WHERE Year >= 2003 AND Year <= 2010
GROUP BY Year;

```

```
CREATE EXTERNAL TABLE eachDelay(  
Year string,  
delay string)  
STORED AS SEQUENCEFILE  
LOCATION "s3://thathsara-video-presentation-assignment/tables/";
```

```
-- Year wise carrier delay from 2003-2010  
INSERT OVERWRITE TABLE eachDelay  
SELECT Year, SUM(CarrierDelay) AS carrier_delay  
FROM AirLineDelay  
WHERE Year >= 2003 AND Year <= 2010  
GROUP BY Year;
```

```
-- Year wise NAS delay from 2003-2010  
INSERT OVERWRITE TABLE eachDelay  
SELECT Year, SUM(NASDelay) AS nas_delay  
FROM AirLineDelay  
WHERE Year >= 2003 AND Year <= 2010  
GROUP BY Year;
```

```
-- Year wise Weather delay from 2003-2010  
INSERT OVERWRITE TABLE eachDelay  
SELECT Year, SUM(WeatherDelay) AS weather_delay  
FROM AirLineDelay  
WHERE Year >= 2003 AND Year <= 2010  
GROUP BY Year;
```

```
-- Year wise late aircraft delay from 2003-2010  
INSERT OVERWRITE TABLE eachDelay  
SELECT Year, SUM(LateAircraftDelay) AS late_aircraft_delay  
FROM AirLineDelay  
WHERE Year >= 2003 AND Year <= 2010  
GROUP BY Year;
```

```
-- Year wise security delay from 2003-2010  
INSERT OVERWRITE TABLE eachDelay  
SELECT Year, SUM(SecurityDelay) AS security_delay  
FROM AirLineDelay  
WHERE Year >= 2003 AND Year <= 2010  
GROUP BY Year;
```