[cloudera@quickstart ~]$ hive

Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.properties

WARNING: Hive CLI is deprecated and migration to Beeline is recommended.

hive> create database test

> ;

OK

Time taken: 10.707 seconds

hive> use test

> ;

OK

Time taken: 0.421 seconds

hive> CREATE TABLE emp(eid int,name String,salary String,designation String)

> ROW FORMAT DELIMITED

> FIELDS TERMINATED BY ','

> LINES TERMINATED BY '\n'

> STORED AS TEXTFILE;

OK

Time taken: 2.495 seconds

hive> load data local inpath '/home/cloudera/Documents/sample\_emp.txt' overwrite into table emp;

Loading data to table test.emp

Table test.emp stats: [numFiles=1, numRows=0, totalSize=161, rawDataSize=0]

OK

Time taken: 1.334 seconds

hive> select \* from emp;

OK

1201 Gopal 45000 Technical manager

1202 Manisha 45000 Proof reader

1203 Masthanvali 40000 Technical writer

1204 Kiran 40000 Hr Admin

1205 Kranthi 30000 Op Admin

Time taken: 0.277 seconds, Fetched: 5 row(s)

hive> ALTER TABLE emp CHANGE name empname String;

OK

Time taken: 1.129 seconds

hive> ALTER TABLE emp CHANGE salary salary Double;

OK

Time taken: 0.651 seconds

hive> describe emp ;

OK

eid int

empname string

salary double

designation string

Time taken: 0.493 seconds, Fetched: 4 row(s)

hive> alter table emp add columns ( dept string comment'Department Name');

OK

Time taken: 0.534 seconds

hive> describe emp;

OK

eid int

empname string

salary double

designation string

dept string Department Name

Time taken: 0.403 seconds, Fetched: 5 row(s)

hive> drop table emp ;

OK

Time taken: 2.847 seconds

hive> exit;

WARN: The method class org.apache.commons.logging.impl.SLF4JLogFactory#release() was invoked.

WARN: Please see http://www.slf4j.org/codes.html#release for an explanation.

[cloudera@quickstart ~]$ hdfs dfs -mkdir /HiveDirectory

[cloudera@quickstart ~]$ hdfs dfs -put /home/cloudera/Desktop/hive/emp\_details /HiveDirectory

[cloudera@quickstart ~]$ hive

Logging initialized using configuration in file:/etc/hive/conf.dist/hive-log4j.properties

WARNING: Hive CLI is deprecated and migration to Beeline is recommended.

hive> create external table emplist (Id int, Name string , Salary float)

> row format delimited

> fields terminated by ','

> location '/HiveDirectory';

OK

Time taken: 4.474 seconds

hive> select \* from emplist;

OK

101 Sarthak 45000.0

102 Utkarsh 45000.0

103 Geetesh 40000.0

104 Saloni 40000.0

105 Satyam 30000.0

Time taken: 3.824 seconds, Fetched: 5 row(s)

hive> CREATE DATABASE flight;

OK

Time taken: 0.296 seconds

hive> use flight;

OK

Time taken: 0.091 seconds

hive> CREATE TABLE flight\_data(

> year INT,

> month INT,

> day INT,

> day\_of\_week INT,

> dep\_time INT,

> crs\_dep\_time INT,

> arr\_time INT,

> crs\_arr\_time INT,

> unique\_carrier STRING,

> flight\_num INT,

> tail\_num STRING,

> actual\_elapsed\_time INT,

> crs\_elapsed\_time INT,

> air\_time INT,

> arr\_delay INT,

> dep\_delay INT,

> origin STRING,

> dest STRING,

> distance INT,

> taxi\_in INT,

> taxi\_out INT,

> cancelled INT,

> cancellation\_code STRING,

> diverted INT,

> carrier\_delay STRING,

> weather\_delay STRING,

> nas\_delay STRING,

> security\_delay STRING,

> late\_aircraft\_delay STRING

> )

> ROW FORMAT DELIMITED

> FIELDS TERMINATED BY ',';

OK

Time taken: 0.729 seconds

hive> LOAD DATA LOCAL INPATH '/home/cloudera/2008.csv' OVERWRITE INTO TABLE flight\_data;

Loading data to table flight2.flight\_data

Table flight2.flight\_data stats: [numFiles=1, numRows=0, totalSize=689413044, rawDataSize=0]

OK

Time taken: 62.659 seconds

hive> SHOW TABLES;

OK

flight\_data

Time taken: 0.13 seconds, Fetched: 1 row(s)

hive> SELECT

> \*

> FROM

> flight\_data

> LIMIT 10;

OK

2008 1 3 4 2003 1955 2211 2225 WN 335 N712SW 128 150 116 -14 8 IAD TPA 810 4 8 00 NA NA NA NA NA

2008 1 3 4 754 735 1002 1000 WN 3231 N772SW 128 145 113 2 19 IAD TPA 810 5 10 00 NA NA NA NA NA

2008 1 3 4 628 620 804 750 WN 448 N428WN 96 90 76 14 8 IND BWI 515 3 17 00 NA NA NA NA NA

2008 1 3 4 926 930 1054 1100 WN 1746 N612SW 88 90 78 -6 -4 IND BWI 515 3 7 00 NA NA NA NA NA

2008 1 3 4 1829 1755 1959 1925 WN 3920 N464WN 90 90 77 34 34 IND BWI 515 3 10 00 2 0 0 0 32

2008 1 3 4 1940 1915 2121 2110 WN 378 N726SW 101 115 87 11 25 IND JAX 688 4 10 00 NA NA NA NA NA

2008 1 3 4 1937 1830 2037 1940 WN 509 N763SW 240 250 230 57 67 IND LAS 1591 3 7 00 10 0 0 0 47

2008 1 3 4 1039 1040 1132 1150 WN 535 N428WN 233 250 219 -18 -1 IND LAS 1591 7 7 00 NA NA NA NA NA

2008 1 3 4 617 615 652 650 WN 11 N689SW 95 95 70 2 2 IND MCI 451 6 19 00 NA NA NA NA NA

2008 1 3 4 1620 1620 1639 1655 WN 810 N648SW 79 95 70 -16 0 IND MCI 451 3 6 00 NA NA NA NA NA

Time taken: 0.302 seconds, Fetched: 10 row(s)

hive> SELECT

> avg(arr\_delay)

> FROM

> flight\_data

> WHERE

> month=1

> AND origin='SFO';

Query ID = cloudera\_20250416113232\_198e0b8a-ae9e-4261-bc3c-5a9305c6a348

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks determined at compile time: 1

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1744821067741\_0004, Tracking URL = http://quickstart.cloudera:8088/proxy/application\_1744821067741\_0004/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job\_1744821067741\_0004

Hadoop job information for Stage-1: number of mappers: 3; number of reducers: 1

2025-04-16 11:33:05,280 Stage-1 map = 0%, reduce = 0%

2025-04-16 11:34:06,549 Stage-1 map = 0%, reduce = 0%

2025-04-16 11:35:07,832 Stage-1 map = 0%, reduce = 0%, Cumulative CPU 9.91 sec

2025-04-16 11:35:46,646 Stage-1 map = 31%, reduce = 0%, Cumulative CPU 25.62 sec

2025-04-16 11:35:49,513 Stage-1 map = 42%, reduce = 0%, Cumulative CPU 26.44 sec

2025-04-16 11:35:51,038 Stage-1 map = 44%, reduce = 0%, Cumulative CPU 27.19 sec

2025-04-16 11:35:52,482 Stage-1 map = 56%, reduce = 0%, Cumulative CPU 27.39 sec

2025-04-16 11:36:03,793 Stage-1 map = 78%, reduce = 0%, Cumulative CPU 29.81 sec

2025-04-16 11:36:04,973 Stage-1 map = 89%, reduce = 0%, Cumulative CPU 30.15 sec

2025-04-16 11:36:06,251 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 30.31 sec

2025-04-16 11:36:51,691 Stage-1 map = 100%, reduce = 67%, Cumulative CPU 32.48 sec

2025-04-16 11:37:00,925 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 35.7 sec

MapReduce Total cumulative CPU time: 35 seconds 700 msec

Ended Job = job\_1744821067741\_0004

MapReduce Jobs Launched:

Stage-Stage-1: Map: 3 Reduce: 1 Cumulative CPU: 35.7 sec HDFS Read: 689459201 HDFS Write: 19 SUCCESS

Total MapReduce CPU Time Spent: 35 seconds 700 msec

OK

28.669403949068094

Time taken: 293.185 seconds, Fetched: 1 row(s)

hive> CREATE TABLE airports(

> name STRING,

> country STRING,

> area\_code INT,

> code STRING)

> ROW FORMAT DELIMITED

> FIELDS TERMINATED BY ',';

OK

Time taken: 0.854 seconds

hive> LOAD DATA LOCAL INPATH 'airports.csv' OVERWRITE INTO TABLE airports;

Loading data to table flight.airports

Table flight.airports stats: [numFiles=1, numRows=0, totalSize=58888, rawDataSize=0]

OK

Time taken: 1.221 seconds

hive> SHOW TABLES;

OK

airports

flight\_data

Time taken: 0.154 seconds, Fetched: 2 row(s)

hive> SELECT

> \*

> FROM

> flight\_data

> LIMIT 10;

OK

2008 1 3 4 2003 1955 2211 2225 WN 335 N712SW128 150 116 -14 8 IAD TPA 810 4 8 0 0NA NA NA NA NA

2008 1 3 4 754 735 1002 1000 WN 3231 N772SW128 145 113 2 19 IAD TPA 810 5 10 0 0NA NA NA NA NA

2008 1 3 4 628 620 804 750 WN 448 N428WN96 90 76 14 8 IND BWI 515 3 17 0 0NA NA NA NA NA

2008 1 3 4 926 930 1054 1100 WN 1746 N612SW88 90 78 -6 -4 IND BWI 515 3 7 0 0NA NA NA NA NA

2008 1 3 4 1829 1755 1959 1925 WN 3920 N464WN90 90 77 34 34 IND BWI 515 3 10 0 02 0 0 0 32

2008 1 3 4 1940 1915 2121 2110 WN 378 N726SW101 115 87 11 25 IND JAX 688 4 10 0 0NA NA NA NA NA

2008 1 3 4 1937 1830 2037 1940 WN 509 N763SW240 250 230 57 67 IND LAS 1591 3 7 0 010 0 0 0 47

2008 1 3 4 1039 1040 1132 1150 WN 535 N428WN233 250 219 -18 -1 IND LAS 1591 7 7 0 0NA NA NA NA NA

2008 1 3 4 617 615 652 650 WN 11 N689SW95 95 70 2 2 IND MCI 451 6 19 0 0NA NA NA NA NA

2008 1 3 4 1620 1620 1639 1655 WN 810 N648SW79 95 70 -16 0 IND MCI 451 3 6 0 0NA NA NA NA NA

Time taken: 0.276 seconds, Fetched: 10 row(s)

hive> SELECT

> \*

> FROM

> airports

> LIMIT 10;

OK

Key West Nas /Boca Chica Field (private U. S. Navy ) US 67 NQX

A L Mangham Jr. Regional US 67 OCH

AAF Heliport US 67 AYE

Aberdeen Regional US 67 ABR

Abilene Regional US 67 ABI

Abraham Lincoln Capital US 67 SPI

Acadiana Regional US 67 ARA

Accomack County US 67 MFV

Ada Municial US 67 ADT

Adak Island Ns US 67 ADK

Time taken: 0.305 seconds, Fetched: 10 row(s)

hive> SELECT

> name,

> AVG(arr\_delay)

> FROM

> flight\_data f

> INNER JOIN airports a

> ON (f.origin=a.code)

> WHERE

> month=1

> GROUP BY

> name;

Query ID = cloudera\_20250416110101\_217e1ba2-8f49-4f1f-9729-5daa3c30b7f0

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera\_20250416110101\_217e1ba2-8f49-4f1f-9729-5daa3c30b7f0.log

2025-04-16 11:01:44 Starting to launch local task to process map join; maximum memory = 1013645312

2025-04-16 11:01:58 Dump the side-table for tag: 1 with group count: 2361 into file: file:/tmp/cloudera/48bf1f0a-5e56-4575-bbe6-691fdb3ef295/hive\_2025-04-16\_11-01-21\_080\_4675117290651193226-1/-local-10004/HashTable-Stage-2/MapJoin-mapfile01--.hashtable

2025-04-16 11:01:58 Uploaded 1 File to: file:/tmp/cloudera/48bf1f0a-5e56-4575-bbe6-691fdb3ef295/hive\_2025-04-16\_11-01-21\_080\_4675117290651193226-1/-local-10004/HashTable-Stage-2/MapJoin-mapfile01--.hashtable (87932 bytes)

2025-04-16 11:01:58 End of local task; Time Taken: 14.133 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 3

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1744821067741\_0002, Tracking URL = http://quickstart.cloudera:8088/proxy/application\_1744821067741\_0002/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job\_1744821067741\_0002

Hadoop job information for Stage-2: number of mappers: 3; number of reducers: 3

2025-04-16 11:02:46,989 Stage-2 map = 0%, reduce = 0%

2025-04-16 11:03:47,444 Stage-2 map = 0%, reduce = 0%

2025-04-16 11:04:47,998 Stage-2 map = 0%, reduce = 0%, Cumulative CPU 10.95 sec

2025-04-16 11:05:30,069 Stage-2 map = 33%, reduce = 0%, Cumulative CPU 27.62 sec

2025-04-16 11:05:31,520 Stage-2 map = 44%, reduce = 0%, Cumulative CPU 27.84 sec

2025-04-16 11:05:37,896 Stage-2 map = 56%, reduce = 0%, Cumulative CPU 29.37 sec

2025-04-16 11:05:49,987 Stage-2 map = 67%, reduce = 0%, Cumulative CPU 31.1 sec

2025-04-16 11:05:53,130 Stage-2 map = 78%, reduce = 0%, Cumulative CPU 31.31 sec

2025-04-16 11:06:02,116 Stage-2 map = 100%, reduce = 0%, Cumulative CPU 32.18 sec

2025-04-16 11:07:03,468 Stage-2 map = 100%, reduce = 0%, Cumulative CPU 32.32 sec

2025-04-16 11:07:54,231 Stage-2 map = 100%, reduce = 67%, Cumulative CPU 35.79 sec

2025-04-16 11:08:31,165 Stage-2 map = 100%, reduce = 78%, Cumulative CPU 40.97 sec

2025-04-16 11:08:32,448 Stage-2 map = 100%, reduce = 100%, Cumulative CPU 48.75 sec

MapReduce Total cumulative CPU time: 48 seconds 750 msec

Ended Job = job\_1744821067741\_0002

MapReduce Jobs Launched:

Stage-Stage-2: Map: 3 Reduce: 3 Cumulative CPU: 49.68 sec HDFS Read: 689482481 HDFS Write: 11728 SUCCESS

Total MapReduce CPU Time Spent: 49 seconds 680 msec

OK

Abraham Lincoln Capital 42.75912408759124

Adak Island Ns -4.222222222222222

Albuquerque International 4.7077826725403815

Baltimore/Washington International Thurgood Marshall 4.869837296620776

Bangor International Airport 19.065

Bellingham International -6.666666666666667

Billings Logan International 4.6440677966101696

Birmingham-Shuttlesworth International 9.850701402805612

Boise Air Terminal/Gowen Field 16.406460296096906

Boundary Bay 23.26241134751773

Buffalo Niagara International 11.748849104859335

Capital Region International 26.03021148036254

Central Wisconsin 31.42105263157895

Chicago/Rockford International 2.3157894736842106

Colorado Springs 7.568213783403657

Columbus Metropolitan 9.018518518518519

Cyril E King Airport 2.5163398692810457

Detroit Metropolitan Wayne County 13.801015664115585

Dothan Regional 10.210526315789474

Dubuque Regional 19.46078431372549

East Texas Regional 8.887640449438202

Eppley Airfield 13.41659192825112

Evansville Regional Airport 13.061946902654867

Flagstaff Pulliam 7.267175572519084

Fort Lauderdale/hollywood International 8.50298309579052

Fort Smith Regional 4.728888888888889

Gainesville Regional 3.1925465838509317

Glacier Park International 15.889952153110048

Golden Triangle Regional 11.797297297297296

Grand Forks International 15.56637168141593

Grannis Field Regional 12.170731707317072

Greater Rochester International 10.262269938650308

Helena Regional 7.628787878787879

Hilton Head 2.293103448275862

Huntsville International - Carl T. Jones Field 10.54524361948956

Jack Brooks Regional -7.368421052631579

John Wayne 7.911041465766634

Kahului -0.13239573229873908

Kalamazoo/Battle Creek 24.52901023890785

Kansas City International Airport 7.418600401973324

Ketchikan International 12.52

Key Field 6.395833333333333

Kodiak Airport 9.785714285714286

La Crosse Municipal 24.32116788321168

La Guardia 5.36539643515673

Lafayette Regional 9.56392694063927

Lawton-Fort Sill Regional 11.217647058823529

Lewiston-Nez Perce County 4.8

Lihue -2.3208516886930983

Lincoln 12.689795918367347

Los Angeles International 11.392227867257594

Louisville International (Standiford Field) 11.794845881758464

Mahlon Sweet Field 23.721374045801525

Mc Clellan-Palomar 7.1454545454545455

Mc Namara Fld 63.075

McGhee Tyson 11.833671399594321

McNary Field 9.156862745098039

Middle Georgia Regional 6.26984126984127

Mineta San Jose International 7.446926229508197

Minneapolis - St. Paul International 11.343321174222686

Missoula International 5.0793103448275865

Mobile Regional 10.161228406909789

Monterey Peninsula 13.948562783661119

Myrtle Beach Afb 1.7405247813411078

Newport News/Williamsburg International 4.394004282655247

Nome -2.027027027027027

Northwest Arkansas Regional 15.02659574468085

Northwest Florida Regional 9.79491833030853

Oneida County 9.653846153846153

Ontario International 8.489149057681326

Orlando International 5.862539827036868

Palm Springs International 13.637314734088928

Pellston Regional 48.285714285714285

Pensacola Gulf Coast Regional 10.017711171662125

Peoria International 26.38255033557047

Philadelphia International 3.033366533864542

Piedmont Triad International 12.483430799220272

Pocatello Regional 8.18

Port Columbus International 8.599093264248705

Portland International 6.275311203319502

Portland International Jetport 10.584805653710248

Preston-glenn Field 2.1176470588235294

Rafael HernÃ¡ndez -5.379032258064516

Raleigh-durham International 4.983125599232982

Rick Husband Amarillo International 3.705211726384365

Roberts Field 25.257731958762886

Rochester International 23.78688524590164

Rogue Valley International - Medford 21.473094170403588

Ronald Reagan Washington National Airport 2.418849658314351

Salt Lake City International 15.059041807536902

San Luis County Regional Airport 12.535645472061658

Sarasota/Bradenton International 5.84812030075188

Savannah/Hilton Head International 8.900627615062762

Sheppard AFB 7.606217616580311

Sioux Gateway 11.1875

South Padre Is. Intl 12.853932584269662

Southwest Florida International 3.4684719535783364

Southwest Georgia Regional 15.010416666666666

Spokane International 13.448275862068966

Stewart International 12.637813211845103

Tampa International 3.5917417417417417

Texarkana Regional-Webb Field 11.936363636363636

Tri-Cities Regional 3.231707317073171

Tulsa International 8.675390035228988

Tyler Pounds Regional Airport 8.77304964539007

Valdosta Regional 4.405063291139241

Waco Regional 8.270408163265307

Waterloo Regional 15.1

Wichita Mid-Continent 11.836092715231787

Wiley Post/W.Rogers M 4.75

Will Rogers World Airport 7.79559748427673

Wilmington International 3.4597156398104265

Yakutat 17.625

Yuma MCAS/Yuma International 8.438172043010752

Abilene Regional 15.013043478260869

Albany International 7.412162162162162

Arcata 41.61363636363637

Atlantic City International 6.103448275862069

Austin Straubel International 27.900990099009903

Bay County (Closed) 2.749034749034749

Bethel Airport 7.7439024390243905

Bill and Hillary Clinton National/Adams Field 10.074548192771084

Blue Grass 11.532503457814661

Bob Hope 11.77543470218276

Bozeman Yellowstone International 22.1156462585034

Bradley International 6.570018975332069

Brunswick Golden Isles Airport -0.1206896551724138

Burlington International 14.003552397868562

Central Illinois Regional Airport At Bloomington-normal 16.7027027027027

Charleston AFB International 10.692520775623269

Chicago Midway International 12.859635210150675

Chicago O'hare International 27.593595701423176

Cincinnati/Northern Kentucky International 10.093188268684957

Corpus Christi International Airport 3.8220338983050848

Dallas Love Field 6.249461439034898

Denver International 11.363121756905498

Des Moines International 16.73779527559055

Duluth International 6.435897435897436

Durango-La Plata County 4.327586206896552

Elko Regional 17.597014925373134

Elmira Corning Regional 11.660377358490566

Fairbanks International 0.12020460358056266

Florence Regional 4.375

Fresno Yosemite International 11.715097402597403

General Edward Lawrence Logan International 5.858861439312567

General Mitchell International 16.12449799196787

George Bush Intercontinental 9.636434663715086

Gerald R. Ford International 17.722585924713584

Greenville Spartanburg International Airport 13.070815450643776

Hartsfield-Jackson Atlanta International 7.943785440613027

Hector International 18.4765625

Henry E Rohlsen 10.675

Jackson-Evers International 6.0

Jacksonville International 4.124305555555556

James Cox Dayton Intl 9.700503355704697

Joslin Field - Magic Valley Regional 17.31304347826087

Kern County 4.506666666666667

La Palmdale Regional Airport 44.094339622641506

Lake Charles Regional 4.40625

Laredo International 13.823170731707316

Lehigh Valley International 12.775456919060053

Long Beach Municipal 6.153404429860541

Long Island MacArthur -0.6670403587443946

Louis Armstrong New OrlÃ©ans International Airport 6.496923527688251

Lovell Field 7.1784702549575075

Luis Munoz Marin International 8.677056719468574

Mc Carran International 10.376584588836531

Meadows Field 13.533854166666666

Melbourne International 3.0875

Memphis International 13.527935813274981

Miami International 15.078050567973616

Michiana Regional 30.154666666666667

Modesto City-Co-Harry Sham Field 21.865800865800868

Montgomery Regional (Dannelly Field) 5.268370607028754

Municipal 15.72197640117994

Nashville International 6.882086167800454

Natrona County International Airport -0.47766323024054985

Newark Liberty International 9.463444857496903

Oakland International Airport 7.664073305670816

Outagamie County Regional 23.237057220708447

Palm Beach International 5.45624313438301

Phoenix Sky Harbor International Airport 4.101787459049371

Prudhoe Bay/Deadhorse 5.983050847457627

Quad City International 19.224184782608695

Rapid City Regional 0.3597560975609756

Redding Municipal 38.29496402877698

Reno-Tahoe International 15.57085201793722

Richmond International Airport 6.973651960784314

Roswell International Air Center 4.403225806451613

Sacramento International 8.734715690466011

San Antonio International 6.46050246050246

San Francisco International 28.669403949068094

Santa Maria Pub/Capt G Allan Hancock 6.335664335664336

Sawyer International 53.42857142857143

Simmons Nott 5.620689655172414

Sitka Rocky Gutierrez 8.674418604651162

Syracuse Hancock International 11.02579365079365

Tallahassee Regional 4.7011494252873565

Ted Stevens Anchorage International 4.9961330239752515

Tri-Cities 5.935483870967742

University Of Illinois Willard 47.457013574660635

University Park Airport 18.37037037037037

Ventura County Camarillo -1.7410714285714286

Walker Field 9.220670391061452

Washington Dulles International 13.39019517442754

Westchester County 15.238210399032647

Wilkes-barre/scranton International 22.433673469387756

William P Hobby 7.228734659331359

Yakima Air Terminal 17.25

Yeager 12.234309623430962

Akron/canton Regional 10.701408450704225

Albert J Ellis 6.441558441558442

Alexandria International 15.923857868020304

Asheville Regional 11.830645161290322

Aspen 26.5869918699187

Augusta Regional 5.768421052631579

Austin-bergstrom International 4.82597523943004

Bert Mooney Airport 4.590163934426229

Bishop International 14.093209054593874

Bismarck Municipal 1.6859903381642511

Cedar City Regional 21.26086956521739

Charlotte Douglas International 6.4406990068754775

Charlottesville-Albemarle 4.871428571428571

Cherry Capital 27.881533101045296

Chico Municipal 41.75

Cleveland-Hopkins International 10.752713178294574

Crested Butte Regional 45.875

Dallas/Fort Worth International 9.144632378322402

Dane County Regional 21.224765868886575

Daytona Beach International 1.6145038167938932

Eagle County Regional 18.26977687626775

Eastern Iowa 22.35930735930736

Easterwood Field 9.123287671232877

El Paso International 4.358291735995563

Erie International 9.368421052631579

Fanning Field 17.517241379310345

Fort Wayne International Airport 31.18200408997955

Friedman Memorial 5.822857142857143

Great Falls International 7.0046728971962615

Greater Binghamton 13.101694915254237

Gulfport-Biloxi International 9.70098730606488

Harrisburg International 13.674603174603174

Hilo International -2.9318766066838045

Honolulu International -1.0649235147634293

Houghton County Memorial 31.363636363636363

Imperial County 7.353448275862069

Indianapolis International 7.945868945868946

Jackson Hole 38.26640926640927

Joe Foss Field 19.814432989690722

John F Kennedy International 3.465494325733565

Key West International 23.910112359550563

Kona International Airport 1.4748091603053435

Lambert-st. Louis International 7.6999807061547365

Lubbock Preston Smith International 6.6709039548022595

MBS International 19.06

Manchester-boston Regional Airport 6.838485804416404

Mathis Field 6.809917355371901

Mc Allen Miller International 8.63953488372093

Mercedita -2.036363636363636

Metropolitan Airport 12.423475258918296

Midland International 8.558419243986254

Minot International -5.440860215053763

Monroe Regional 8.524663677130045

Montrose Regional Airport 8.808988764044944

Mudhole Smith 24.0

Norfolk International 7.762002743484225

Petersburg James A Johnson 24.472727272727273

Pittsburgh International 9.256280064136826

Ralph Wien Memorial 1.381578947368421

Regional 10.445635528330781

Roanoke Regional (Woodrum Field) 12.242753623188406

Robert Gray AAF 10.320588235294117

Ryan 11.417687074829932

San Diego International 9.542431192660551

Seattle-Tacoma International 8.705552907530983

Springfield-Branson National 22.44055944055944

T. F. Green State 4.485552115583076

Telluride Regional 11.378378378378379

Toledo Express 14.0

Tucson International 6.2253968253968255

Tupelo Regional -1.8

Valley International 7.620865139949109

Wrangell SPB 14.982142857142858

Yampa Valley 18.2925

Yellowstone Regional -2.5824175824175826

Time taken: 436.643 seconds, Fetched: 285 row(s)

hive> select day,avg(dep\_delay) from flight\_data group by day;

Query ID = cloudera\_20250416111010\_3eda1ce9-d947-4298-91b9-0b5d94025d1c

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 3

In order to change the average load for a reducer (in bytes):

set hive.exec.reducers.bytes.per.reducer=<number>

In order to limit the maximum number of reducers:

set hive.exec.reducers.max=<number>

In order to set a constant number of reducers:

set mapreduce.job.reduces=<number>

Starting Job = job\_1744821067741\_0003, Tracking URL = http://quickstart.cloudera:8088/proxy/application\_1744821067741\_0003/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job\_1744821067741\_0003

Hadoop job information for Stage-1: number of mappers: 3; number of reducers: 3

2025-04-16 11:11:04,175 Stage-1 map = 0%, reduce = 0%

2025-04-16 11:12:04,180 Stage-1 map = 0%, reduce = 0%

2025-04-16 11:13:04,901 Stage-1 map = 0%, reduce = 0%, Cumulative CPU 13.91 sec

2025-04-16 11:13:25,064 Stage-1 map = 11%, reduce = 0%, Cumulative CPU 20.74 sec

2025-04-16 11:13:26,626 Stage-1 map = 42%, reduce = 0%, Cumulative CPU 21.53 sec

2025-04-16 11:13:29,483 Stage-1 map = 56%, reduce = 0%, Cumulative CPU 22.29 sec

2025-04-16 11:13:44,138 Stage-1 map = 78%, reduce = 0%, Cumulative CPU 25.21 sec

2025-04-16 11:13:45,525 Stage-1 map = 89%, reduce = 0%, Cumulative CPU 25.48 sec

2025-04-16 11:13:46,967 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 25.66 sec

2025-04-16 11:14:47,734 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 25.66 sec

2025-04-16 11:15:18,206 Stage-1 map = 100%, reduce = 22%, Cumulative CPU 26.88 sec

2025-04-16 11:15:19,442 Stage-1 map = 100%, reduce = 67%, Cumulative CPU 29.43 sec

2025-04-16 11:15:45,147 Stage-1 map = 100%, reduce = 89%, Cumulative CPU 36.8 sec

2025-04-16 11:15:46,385 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 40.08 sec

MapReduce Total cumulative CPU time: 40 seconds 80 msec

Ended Job = job\_1744821067741\_0003

MapReduce Jobs Launched:

Stage-Stage-1: Map: 3 Reduce: 3 Cumulative CPU: 40.85 sec HDFS Read: 689466515 HDFS Write: 648 SUCCESS

Total MapReduce CPU Time Spent: 40 seconds 850 msec

OK

3 8.124487135326511

6 9.97993852855542

9 9.426870350020717

12 8.985977165641355

15 10.246923827478266

18 9.864850133863555

21 11.441171459650256

24 9.400883693910961

27 12.352245320910784

30 9.387892140428182

1 11.05625866543425

4 11.320772116708202

7 10.021070439195801

10 10.650646787599612

13 9.812501407004858

16 9.09674254229989

19 10.7723860939885

22 12.373879681331578

25 8.651045607912613

28 8.955568222994053

31 13.721784776902886

2 9.720089012810984

5 8.54570651955599

8 10.699898365829522

11 9.628271196830053

14 9.410912707934333

17 8.888446389114506

20 9.92333218448704

23 10.302617596186767

26 10.571840439669346

29 7.615862597090034

Time taken: 347.894 seconds, Fetched: 31 row(s)

hive> CREATE INDEX origin\_index ON TABLE flight\_data (origin) AS

> 'COMPACT' WITH DEFERRED REBUILD;

OK

Time taken: 3.794 seconds

hive> SHOW INDEX ON flight\_data;

OK

origin\_index flight\_data origin flight\_\_flight\_data\_origin\_index\_\_ compact

Time taken: 0.577 seconds, Fetched: 1 row(s)