HIVE PROJECT 1

Q1) Create a schema based on the given dataset

Q2) Dump the data inside the hdfs in the given schema location.

Q1,2) Solution

Make directory at hdfs location.

```
[cloudera@quickstart ~]$ hdfs dfs -mkdir Agent
```

Put files (AgentLogingReport.csv Agent, AgentPerformance.csv Agent) into Agent directory in hdfs location.

```
[cloudera@quickstart ~]$ hdfs dfs -put /tmp/Agent_data/AgentLogingReport.csv Agent/

[cloudera@quickstart ~]$ hdfs dfs -put /tmp/Agent_data/AgentPerformance.csv Agent/
```

Check the files inside hdfs location.

```
[cloudera@quickstart ~]$ hdfs dfs -ls Agent
Found 2 items
-rw-r--r--   1 cloudera cloudera      55351 2022-11-01 08:58 Agent/AgentLogingReport.csv
-rw-r--r--   1 cloudera cloudera     109853 2022-11-01 08:59 Agent/AgentPerformance.csv
```

Go to hive and use agent database.

```
hive> use agent;
OK
Time taken: 1.25 seconds
```

Create tables:

```
hive> create table agent_loging
    > (
    > s_no int,
    > agent string,
    > date date,
    > login_time string,
    > logout_time string,
    > duration string
    > )
    > row format delimited
    > fields terminated by ','
    > tblproperties("skip.header.line.count"="1");
```

```
OK
Time taken: 0.662 seconds

hive> create table agent_performance
    > (
    > s_no int,
    > date date,
    > agent_name string,
    > total_chats int,
    > average_response_time string,
    > average_resolution_time string,
    > average_rating float,
    > total_feedback int
    > )
    > row format delimited
    > fields terminated by ','
    > tblproperties("skip.header.line.count"="1");
OK
Time taken: 0.218 seconds
```

Load data inside above created tables.

```
hive> load data inpath 'Agent/AgentLogingReport.csv' into table agent_loging;
Loading data to table agent.agent_loging
Table agent.agent_loging stats: [numFiles=1, totalSize=56353]
OK
Time taken: 1.581 seconds

hive> load data inpath 'Agent/AgentPerformance.csv' into table agent_performance;
Loading data to table agent.agent_performance
Table agent.agent_performance stats: [numFiles=1, totalSize=116159]
OK
Time taken: 0.837 seconds
```

Fetch some records from tables.

hive> select * from agent_loging limit 3;

OK

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10

2 Khushboo Priya 2022-07-30 15:06:59 15:07:16 00:00:17

3 Nandani Gupta 2022-07-30 15:04:24 17:31:07 02:26:42

Time taken: 0.971 seconds, Fetched: 3 row(s)

hive> select * from agent_performance limit 3;

OK

1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

2 2022-07-30 Nandani Gupta 11 00:01:15 00:28:25 3.14 7

3 2022-07-30 Ameya Jain 14 00:00:30 00:11:36 4.55 11

Time taken: 0.118 seconds, Fetched: 3 row(s)

Q3) List of all agents' names.

Solution:

hive> select distinct agent from agent_loging;

Query ID = cloudera_20221101210404_30dc2792-6a5d-46e6-95d7-61106454adf0

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0002, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0002/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0002

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

2022-11-01 21:05:08,000 Stage-1 map = 0%, reduce = 0%

2022-11-01 21:05:23,698 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.81 sec

2022-11-01 21:05:37,446 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.11 sec

MapReduce Total cumulative CPU time: 6 seconds 110 msec

Ended Job = job_1667316033891_0002

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 6.11 sec HDFS Read: 64055 HDFS Write: 638 SUCCESS

Total MapReduce CPU Time Spent: 6 seconds 110 msec

OK

Aditya Shinde

Aditya_iot

Amersh

Ameya Jain

Ankitjha

Anurag Tiwari

Aravind

Ayushi Mishra

Bharath

Boktiar Ahmed Bappy

Chaitra K Hiremath

Deepranjan Gupta

Dibyanshu

Harikrishnan Shaji

Hrisikesh Neogi

Hyder Abbas

Ineuron Intelligence

Ishawant Kumar

Jawala Prakash

Jaydeep Dixit

Khushboo Priya

Madhulika G

Mahesh Sarade

Maitry

Manjunatha A

Mithun S

Mukesh

Muskan Garg

Nandani Gupta

Nishtha Jain

Nitin M

Prabir Kumar Satapathy

Prateek _iot

Prerna Singh

Rishav Dash

Saikumarreddy N

Sanjeev Kumar

Saurabh Shukla

Shiva Srivastava

Shivan K

Shivananda Sonwane

Shubham Sharma

Sowmiya Sivakumar

Sudhanshu Kumar

Suraj S Bilgi

Swati

Tarun

Wasim

Zeeshan

Time taken: 60.25 seconds, Fetched: 49 row(s)

hive> select distinct agent_name from agent_performance;

Query ID = cloudera_20221101210606_286d5cfa-e577-47db-9828-045875c5505f

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0003, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0003/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0003

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

2022-11-01 21:06:19,465 Stage-1 map = 0%, reduce = 0%

2022-11-01 21:06:32,624 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.81 sec

2022-11-01 21:06:48,642 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.63 sec

MapReduce Total cumulative CPU time: 6 seconds 630 msec

Ended Job = job_1667316033891_0003

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1   Cumulative CPU: 6.63 sec   HDFS Read: 124583 HDFS Write: 841 SUCCESS

Total MapReduce CPU Time Spent: 6 seconds 630 msec

OK

Abhishek

Aditya

Aditya Shinde

Aditya_iot

Amersh

Ameya Jain

Anirudh

Ankit Sharma

Ankitjha

Anurag Tiwari

Aravind

Ashad Nasim

Ashish

Ayushi Mishra

Bharath

Boktiar Ahmed Bappy

Chaitra K Hiremath

Deepranjan Gupta

Dibyanshu

Harikrishnan Shaji

Hitesh Choudhary

Hrisikesh Neogi

Hyder Abbas

Ineuron Intelligence

Ishawant Kumar

Jawala Prakash

Jayant Kumar

Jaydeep Dixit

Khushboo Priya

Madhulika G

Mahak

Mahesh Sarade

Maitry

Maneesh

Manjunatha A

Mithun S

Mukesh

Mukesh Rao

Muskan Garg

Nandani Gupta

Nishtha Jain

Nitin M

Prabir Kumar Satapathy

Prateek _iot

Prerna Singh

Rishav Dash

Rohan

Saif Khan

Saikumarreddy N

Samprit

Sandipan Saha

Sanjeev Kumar

Sanjeevan

Saurabh Shukla

Shiva Srivastava

Shivan K

Shivan_S

Shivananda Sonwane

Shubham Sharma

Sowmiya Sivakumar

Spuri

Sudhanshu Kumar

Suraj S Bilgi

Swati

Tarun

Uday Mishra

Vasanth P

Vivek

Wasim

Zeeshan

Time taken: 46.158 seconds, Fetched: 71 row(s)

Q4) Find out agent average rating.

Solution:

hive> set hive.cli.print.header = true;

hive> select agent_name as agent, avg(average_rating) as average_rating from agent_performance group by agent_name;

Query ID = cloudera_20221101211111_d3477195-298c-4632-97c5-05e0bc981a44

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0006, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0006/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0006

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

2022-11-01 21:11:37,012 Stage-1 map = 0%, reduce = 0%

2022-11-01 21:11:44,688 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.33 sec

2022-11-01 21:11:57,761 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.79 sec

MapReduce Total cumulative CPU time: 4 seconds 790 msec

Ended Job = job_1667316033891_0006

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.79 sec HDFS Read: 125817 HDFS Write: 1881 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 790 msec

OK

agent average_rating

Abhishek 0.0

Aditya 0.0

Aditya Shinde 1.8003333409627278

Aditya_iot 2.3453333377838135

Amersh 0.0

Ameya Jain 2.21966667175293

Anirudh 0.6449999968210857

Ankit Sharma 0.0

Ankitjha 0.26666666666666666

Anurag Tiwari 0.18333333333333332

Aravind 2.1813333511352537

Ashad Nasim 0.16666666666666666

Ashish 0.0

Ayushi Mishra 3.481999969482422

Bharath 2.9836666584014893

Boktiar Ahmed Bappy 3.567999982833862

Chaitra K Hiremath 0.8646666606267294

Deepranjan Gupta 2.886666695276896

Dibyanshu 0.0

Harikrishnan Shaji 2.6396666526794434

Hitesh Choudhary 0.0

Hrisikesh Neogi 3.1363333304723104

Hyder Abbas 0.0

Ineuron Intelligence 0.0

Ishawant Kumar 3.543333347638448

Jawala Prakash 3.472000018755595

Jayant Kumar 1.068666664759318

Jaydeep Dixit 3.1670000314712525

Khushboo Priya 3.703666663169861

Madhulika G 3.4986666520436605

Mahak 0.1

Mahesh Sarade 2.4003333330154417

Maitry 2.9270000139872234

Maneesh 0.16666666666666666

Manjunatha A 3.5946666876475017

Mithun S 2.359000023206075

Mukesh 0.3096666653951009

Mukesh Rao 0.25566666523615517

Muskan Garg 0.712333329518636

Nandani Gupta 2.9236666679382326

Nishtha Jain 3.282333334287008

Nitin M 0.0

Prabir Kumar Satapathy 2.5103333314259846

Prateek _iot 2.4383333206176756

Prerna Singh 3.2326666434605915

Rishav Dash 1.4268333355585734

Rohan 0.0

Saif Khan 0.0

Saikumarreddy N 1.9803333441416422

Samprit 0.0

Sandipan Saha 0.4289999961853027

Sanjeev Kumar 3.3830000241597493

Sanjeevan 0.0

Saurabh Shukla 0.5556666692097981

Shiva Srivastava 0.9446666717529297

Shivan K 2.841333341598511

Shivan_S 0.14166666666666666

Shivananda Sonwane 4.232666659355163

Shubham Sharma 3.2253333568572997

Sowmiya Sivakumar 1.2599999984105428

Spuri 0.0

Sudhanshu Kumar 0.3333333333333333

Suraj S Bilgi 0.31200000445048015

Swati 2.4236666917800904

Tarun 0.05

Uday Mishra 0.0

Vasanth P 0.0

Vivek 0.5006666660308838

Wasim 2.400000015894572

Zeeshan 2.286999988555908

Time taken: 33.155 seconds, Fetched: 71 row(s)

Q5) Total working days for each agent

Solution:

hive> select agent_name as agent, count(distinct date) as number_of_working_days from agent_performance group by agent_name;

Query ID = cloudera_20221101211717_617f0d44-ffd7-46f9-b0a1-e8b032095df8

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0008, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0008/
Kill Command = /usr/lib/hadoop/bin/hadoop job  -kill job_1667316033891_0008
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2022-11-01 21:17:53,354 Stage-1 map = 0%,  reduce = 0%
2022-11-01 21:18:01,959 Stage-1 map = 100%,  reduce = 0%, Cumulative CPU 2.62 sec
2022-11-01 21:18:13,514 Stage-1 map = 100%,  reduce = 100%, Cumulative CPU 5.15 sec
MapReduce Total cumulative CPU time: 5 seconds 150 msec
Ended Job = job_1667316033891_0008
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1  Reduce: 1   Cumulative CPU: 5.15 sec   HDFS Read: 125596 HDFS Write: 1053 SUCCESS
Total MapReduce CPU Time Spent: 5 seconds 150 msec
OK
agent   number_of_working_days
      0
Abhishek       30
Aditya  30
Aditya Shinde   30
Aditya_iot     30
Amersh  30
Ameya Jain     30
Anirudh 30
Ankit Sharma    30
Ankitjha       30
Anurag Tiwari   30
Aravind 30
Ashad Nasim     30
Ashish  30
Ayushi Mishra   30
Bharath 30
Boktiar Ahmed Bappy     30
Chaitra K Hiremath      30
Deepranjan Gupta        30
Dibyanshu       30
Harikrishnan Shaji      30
Hitesh Choudhary        30
Hrisikesh Neogi 30
Hyder Abbas     30
```

Ineuron Intelligence 30

Ishawant Kumar 30

Jawala Prakash 30

Jayant Kumar 30

Jaydeep Dixit 30

Khushboo Priya 30

Madhulika G 30

Mahak 30

Mahesh Sarade 30

Maitry 30

Maneesh 30

Manjunatha A 30

Mithun S 30

Mukesh 30

Mukesh Rao 30

Muskan Garg 30

Nandani Gupta 30

Nishtha Jain 30

Nitin M 30

Prabir Kumar Satapathy 30

Prateek _iot 30

Prerna Singh 30

Rishav Dash 30

Rohan 30

Saif Khan 30

Saikumarreddy N 30

Samprit 30

Sandipan Saha 30

Sanjeev Kumar 30

Sanjeevan 30

Saurabh Shukla 30

Shiva Srivastava 30

Shivan K 30

Shivan_S 30

Shivananda Sonwane 30

Shubham Sharma 30

Sowmiya Sivakumar 30

Spuri 30

Sudhanshu Kumar 30

Suraj S Bilgi 30

Swati 30

Tarun 30

Uday Mishra 30

Vasanth P 30

Vivek 30

Wasim 30

Zeeshan 30

Time taken: 31.571 seconds, Fetched: 71 row(s)

Q6) Total query that each agent has taken

Solution:

hive> select agent_name as agent, sum(total_chats) as queries_taken from agent_performance group by agent_name;

Query ID = cloudera_20221101214848_5e4743f7-bfa2-437e-a8af-18d16fa84039

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0009, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0009/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0009

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

2022-11-01 21:48:24,468 Stage-1 map = 0%, reduce = 0%

2022-11-01 21:48:33,352 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.17 sec

2022-11-01 21:48:44,544 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.69 sec

MapReduce Total cumulative CPU time: 4 seconds 690 msec

Ended Job = job_1667316033891_0009

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 4.69 sec HDFS Read: 125339 HDFS Write: 1065 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 690 msec

OK

agent	queries_taken
Abhishek	0
Aditya	0
Aditya Shinde	277
Aditya_iot	231
Amersh	0
Ameya Jain	322
Anirudh	81
Ankit Sharma	0
Ankitjha	5
Anurag Tiwari	4
Aravind	366
Ashad Nasim	18
Ashish	0
Ayushi Mishra	514
Bharath	369
Boktiar Ahmed Bappy	452
Chaitra K Hiremath	64
Deepranjan Gupta	493
Dibyanshu	1
Harikrishnan Shaji	381
Hitesh Choudhary	1
Hrisikesh Neogi	578
Hyder Abbas	0
Ineuron Intelligence	0
Ishawant Kumar	338
Jawala Prakash	439
Jayant Kumar	127
Jaydeep Dixit	512
Khushboo Priya	446
Madhulika G	469
Mahak	7
Mahesh Sarade	364
Maitry	542
Maneesh	4
Manjunatha A	413
Mithun S	503
Mukesh	19

Mukesh Rao 5

Muskan Garg 56

Nandani Gupta 560

Nishtha Jain 373

Nitin M 0

Prabir Kumar Satapathy 299

Prateek _iot 190

Prerna Singh 401

Rishav Dash 409

Rohan 0

Saif Khan 0

Saikumarreddy N 364

Samprit 1

Sandipan Saha 30

Sanjeev Kumar 507

Sanjeevan 0

Saurabh Shukla 16

Shiva Srivastava 53

Shivan K 357

Shivan_S 7

Shivananda Sonwane 441

Shubham Sharma 510

Sowmiya Sivakumar 206

Spuri 0

Sudhanshu Kumar 2

Suraj S Bilgi 28

Swati 524

Tarun 22

Uday Mishra 0

Vasanth P 0

Vivek 44

Wasim 433

Zeeshan 542

Time taken: 30.731 seconds, Fetched: 71 row(s)

Q7) Total Feedback that each agent has received

Solution:

hive> select agent_name as agent, sum(total_feedback) as feedbacks_received from agent_performance group by agent_name;

Query ID = cloudera_20221101215656_81013437-bff7-447c-b446-3709c703263a

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0012, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0012/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0012

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

2022-11-01 21:56:17,193 Stage-1 map = 0%, reduce = 0%

2022-11-01 21:56:29,417 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.06 sec

2022-11-01 21:56:42,782 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.62 sec

MapReduce Total cumulative CPU time: 6 seconds 620 msec

Ended Job = job_1667316033891_0012

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 6.62 sec HDFS Read: 125346 HDFS Write: 1061 SUCCESS

Total MapReduce CPU Time Spent: 6 seconds 620 msec

OK

agent feedbacks_received

Abhishek 0

Aditya 0

Aditya Shinde 153

Aditya_iot 131

Amersh 0

Ameya Jain 228

Anirudh 39

Ankit Sharma 0

Ankitjha 3

Anurag Tiwari 3

Aravind 233

Ashad Nasim 9

Ashish 0

Ayushi Mishra 329

Bharath 247

Boktiar Ahmed Bappy 311

Chaitra K Hiremath 37

Deepranjan Gupta 312

Dibyanshu 0

Harikrishnan Shaji 231

Hitesh Choudhary 0

Hrisikesh Neogi 367

Hyder Abbas 0

Ineuron Intelligence 0

Ishawant Kumar 202

Jawala Prakash 250

Jayant Kumar 70

Jaydeep Dixit 305

Khushboo Priya 289

Madhulika G 281

Mahak 5

Mahesh Sarade 216

Maitry 347

Maneesh 3

Manjunatha A 254

Mithun S 364

Mukesh 17

Mukesh Rao 5

Muskan Garg 37

Nandani Gupta 308

Nishtha Jain 257

Nitin M 0

Prabir Kumar Satapathy 222

Prateek _iot 107

Prerna Singh 235

Rishav Dash 264

Rohan 0

Saif Khan 0

Saikumarreddy N 290

Samprit 0

Sandipan Saha 18

Sanjeev Kumar 311

Sanjeevan 0

Saurabh Shukla 8

Shiva Srivastava 46

Shivan K 243

Shivan_S 4

Shivananda Sonwane 263

Shubham Sharma 300

Sowmiya Sivakumar 141

Spuri 0

Sudhanshu Kumar 2

Suraj S Bilgi 15

Swati 302

Tarun 6

Uday Mishra 0

Vasanth P 0

Vivek 20

Wasim 284

Zeeshan 335

Time taken: 42.047 seconds, Fetched: 71 row(s)

Q8) Agent name who have average rating between 3.5 to 4

Solution:

hive> select agent_name as agent, avg(average_rating) as average_rating from agent_performance group by agent_name having average_rating between 3.5 and 4;

Query ID = cloudera_20221101220202_7dfde0dd-a9b0-4135-ab59-f4fa72fc5b7d

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0013, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0013/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0013

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

2022-11-01 22:02:38,620 Stage-1 map = 0%, reduce = 0%

2022-11-01 22:02:48,489 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.04 sec

2022-11-01 22:02:59,284 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 4.85 sec

MapReduce Total cumulative CPU time: 4 seconds 850 msec

Ended Job = job_1667316033891_0013

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1   Cumulative CPU: 4.85 sec   HDFS Read: 126449 HDFS Write: 136 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 850 msec

OK

agent   average_rating

Boktiar Ahmed Bappy   3.567999982833862

Ishawant Kumar 3.543333347638448

Khushboo Priya 3.703666663169861

Manjunatha A   3.5946666876475017

Time taken: 33.547 seconds, Fetched: 4 row(s)

Q9) Agent name who have rating less than 3.5

Solution:

hive> select agent_name as agent, avg(average_rating) as average_rating from agent_performance group by agent_name having average_rating < 3.5;

Query ID = cloudera_20221101220404_673bfe50-feae-4738-b904-6f241f2aa822

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0014, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0014/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0014

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

2022-11-01 22:04:34,295 Stage-1 map = 0%, reduce = 0%

2022-11-01 22:04:46,500 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.71 sec

2022-11-01 22:05:03,498 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 7.32 sec

MapReduce Total cumulative CPU time: 7 seconds 320 msec

Ended Job = job_1667316033891_0014

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1   Cumulative CPU: 7.32 sec   HDFS Read: 126252 HDFS Write: 1704 SUCCESS

Total MapReduce CPU Time Spent: 7 seconds 320 msec

OK

agent   average_rating

Abhishek 0.0

Aditya 0.0

Aditya Shinde   1.8003333409627278

Aditya_iot 2.3453333377838135

Amersh 0.0

Ameya Jain 2.21966667175293

Anirudh 0.6449999968210857

Ankit Sharma 0.0

Ankitjha 0.26666666666666666

Anurag Tiwari 0.18333333333333332

Aravind 2.1813333511352537

Ashad Nasim 0.16666666666666666

Ashish 0.0

Ayushi Mishra 3.481999969482422

Bharath 2.9836666584014893

Chaitra K Hiremath 0.8646666606267294

Deepranjan Gupta 2.886666695276896

Dibyanshu 0.0

Harikrishnan Shaji 2.6396666526794434

Hitesh Choudhary 0.0

Hrisikesh Neogi 3.1363333304723104

Hyder Abbas 0.0

Ineuron Intelligence 0.0

Jawala Prakash 3.472000018755595

Jayant Kumar 1.068666664759318

Jaydeep Dixit 3.1670000314712525

Madhulika G 3.4986666520436605

Mahak 0.1

Mahesh Sarade 2.4003333330154417

Maitry 2.9270000139872234

Maneesh 0.16666666666666666

Mithun S 2.359000023206075

Mukesh 0.3096666653951009

Mukesh Rao 0.25566666523615517

Muskan Garg 0.712333329518636

Nandani Gupta 2.9236666679382326

Nishtha Jain 3.282333334287008

Nitin M 0.0

Prabir Kumar Satapathy 2.5103333314259846

Prateek _iot 2.4383333206176756

Prerna Singh 3.2326666434605915

Rishav Dash 1.4268333355585734

Rohan 0.0

Saif Khan 0.0

Saikumarreddy N 1.9803333441416422

Samprit 0.0

Sandipan Saha 0.4289999961853027

Sanjeev Kumar 3.3830000241597493

Sanjeevan 0.0

Saurabh Shukla 0.5556666692097981

Shiva Srivastava 0.9446666717529297

Shivan K 2.841333341598511

Shivan_S 0.14166666666666666

Shubham Sharma 3.2253333568572997

Sowmiya Sivakumar 1.2599999984105428

Spuri 0.0

Sudhanshu Kumar 0.3333333333333333

Suraj S Bilgi 0.31200000445048015

Swati 2.4236666917800904

Tarun 0.05

Uday Mishra 0.0

Vasanth P 0.0

Vivek 0.5006666660308838

Wasim 2.400000015894572

Zeeshan 2.286999988555908

Time taken: 45.33 seconds, Fetched: 65 row(s)

Q10) Agent name who have rating more than 4.5

Solution:

```
hive> select agent_name as agent, avg(average_rating) as average_rating from agent_performance group by agent_name having average_rating > 4.5;
```

```
Query ID = cloudera_20221101220505_cc78d0b4-99be-4cd0-8227-fe4d79e36f40
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0015, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0015/
Kill Command = /usr/lib/hadoop/bin/hadoop job  -kill job_1667316033891_0015
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2022-11-01 22:05:30,465 Stage-1 map = 0%,  reduce = 0%
2022-11-01 22:05:43,975 Stage-1 map = 100%,  reduce = 0%, Cumulative CPU 2.94 sec
2022-11-01 22:05:59,236 Stage-1 map = 100%,  reduce = 100%, Cumulative CPU 6.62 sec
MapReduce Total cumulative CPU time: 6 seconds 620 msec
Ended Job = job_1667316033891_0015
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1  Reduce: 1   Cumulative CPU: 6.62 sec   HDFS Read: 126251 HDFS Write: 0 SUCCESS
Total MapReduce CPU Time Spent: 6 seconds 620 msec
OK
agent   average_rating
Time taken: 44.717 seconds
```

Q11) How many feedback agents have received more than 4.5 average

Solution:

```
hive> select count(*) from(select agent_name as agent, avg(total_feedback) as average_feedback from agent_performance group by agent_name having average_feedback > 4.5)t;
```

```
Query ID = cloudera_20221101221919_c687ebc1-ccb0-4d82-bd3b-2bb333af0f74
Total jobs = 2
Launching Job 1 out of 2
Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0019, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0019/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0019

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

2022-11-01 22:20:02,892 Stage-1 map = 0%, reduce = 0%

2022-11-01 22:20:14,116 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 2.71 sec

2022-11-01 22:20:27,703 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.64 sec

MapReduce Total cumulative CPU time: 6 seconds 640 msec

Ended Job = job_1667316033891_0019

Launching Job 2 out of 2

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_1667316033891_0020, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0020/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0020

Hadoop job information for Stage-2: number of mappers: 1; number of reducers: 1

2022-11-01 22:20:42,088 Stage-2 map = 0%, reduce = 0%

2022-11-01 22:20:52,198 Stage-2 map = 100%, reduce = 0%, Cumulative CPU 2.39 sec

2022-11-01 22:21:04,433 Stage-2 map = 100%, reduce = 100%, Cumulative CPU 5.45 sec

MapReduce Total cumulative CPU time: 5 seconds 450 msec

Ended Job = job_1667316033891_0020

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 6.64 sec HDFS Read: 125695 HDFS Write: 114 SUCCESS

Stage-Stage-2: Map: 1 Reduce: 1 Cumulative CPU: 5.45 sec HDFS Read: 4550 HDFS Write: 3 SUCCESS

Total MapReduce CPU Time Spent: 12 seconds 90 msec

OK

_c0

31

Time taken: 77.471 seconds, Fetched: 1 row(s)

Q12) average weekly response time for each agent

Solution:

```
hive>  select agent, avg(weekly_response_time_in_sec) as avg_weekly_response_time_in_sec from (select week, agent, sum((time[0]*3600+time[1]*60+time[2])) as weekly_response_time_in_sec from(select agent_name as agent, weekofyear(date) as week, split(average_response_time,':') as time from agent_performance) t group by agent, week)s group by agent;
Query ID = cloudera_20221101233535_4ba561a1-9387-4cca-a257-2a3de2da2ae0
Total jobs = 1
Launching Job 1 out of 1
Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0027, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0027/
Kill Command = /usr/lib/hadoop/bin/hadoop job  -kill job_1667316033891_0027
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2022-11-01 23:35:17,893 Stage-1 map = 0%,  reduce = 0%
2022-11-01 23:35:27,189 Stage-1 map = 100%,  reduce = 0%, Cumulative CPU 3.21 sec
2022-11-01 23:35:37,351 Stage-1 map = 100%,  reduce = 100%, Cumulative CPU 5.32 sec
MapReduce Total cumulative CPU time: 5 seconds 320 msec
Ended Job = job_1667316033891_0027
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1  Reduce: 1   Cumulative CPU: 5.32 sec   HDFS Read: 129398 HDFS Write: 1212 SUCCESS
Total MapReduce CPU Time Spent: 5 seconds 320 msec
OK
agent   avg_weekly_response_time_in_sec
Abhishek        0.0
Aditya  0.0
Aditya Shinde   178.4
Aditya_iot      203.8
Amersh  0.0
Ameya Jain      126.8
Anirudh 130.6
```

Ankit Sharma 0.0

Ankitjha 26.6

Anurag Tiwari 50.6

Aravind 128.2

Ashad Nasim 231.8

Ashish 0.0

Ayushi Mishra 362.0

Bharath 160.8

Boktiar Ahmed Bappy 396.2

Chaitra K Hiremath 90.8

Deepranjan Gupta 319.2

Dibyanshu 7.6

Harikrishnan Shaji 203.8

Hitesh Choudhary 0.0

Hrisikesh Neogi 303.0

Hyder Abbas 0.0

Ineuron Intelligence 0.0

Ishawant Kumar 300.8

Jawala Prakash 565.4

Jayant Kumar 110.6

Jaydeep Dixit 266.4

Khushboo Priya 367.8

Madhulika G 398.6

Mahak 0.0

Mahesh Sarade 278.6

Maitry 383.0

Maneesh 27.0

Manjunatha A 217.0

Mithun S 173.6

Mukesh 20.0

Mukesh Rao 78.8

Muskan Garg 35.6

Nandani Gupta 359.2

Nishtha Jain 364.8

Nitin M 0.0

Prabir Kumar Satapathy 228.0

Prateek _iot 135.0

Prerna Singh 286.0

Rishav Dash 363.8

Rohan 0.0

Saif Khan 0.0

Saikumarreddy N 151.0

Samprit 0.0

Sandipan Saha 35.4

Sanjeev Kumar 307.2

Sanjeevan 0.0

Saurabh Shukla 21.0

Shiva Srivastava 60.0

Shivan K 287.4

Shivan_S 14.6

Shivananda Sonwane 336.0

Shubham Sharma 290.0

Sowmiya Sivakumar 157.0

Spuri 0.0

Sudhanshu Kumar 24.0

Suraj S Bilgi 36.4

Swati 346.8

Tarun 0.0

Uday Mishra 0.0

Vasanth P 0.0

Vivek 82.2

Wasim 178.2

Zeeshan 370.4

Time taken: 30.063 seconds, Fetched: 71 row(s)

Q13) average weekly resolution time for each agents

Solution:

```
hive> select agent, avg(weekly_resolution_time_in_sec) as avg_weekly_resolution_time_in_sec from (select week, agent, sum((time[0]*3600+time[1]*60+time[2])) as weekly_resolution_time_in_sec from(select agent_name as agent, weekofyear(date) as week, split(average_resolution_time,':') as time from agent_performance) t group by agent, week)s group by agent;
```

Query ID = cloudera_20221101234040_71190205-b2a4-41ad-b17e-5be389b17f6a

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0028, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0028/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0028

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

2022-11-01 23:40:16,339 Stage-1 map = 0%, reduce = 0%

2022-11-01 23:40:28,723 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 4.64 sec

2022-11-01 23:40:49,453 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 11.52 sec

MapReduce Total cumulative CPU time: 11 seconds 520 msec

Ended Job = job_1667316033891_0028

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 11.52 sec HDFS Read: 129404 HDFS Write: 1271 SUCCESS

Total MapReduce CPU Time Spent: 11 seconds 520 msec

OK

agent avg_weekly_resolution_time_in_sec

Abhishek 0.0

Aditya 0.0

Aditya Shinde 3723.8

Aditya_iot 3535.8

Amersh 0.0

Ameya Jain 1971.0

Anirudh 1112.8

Ankit Sharma 0.0

Ankitjha 326.8

Anurag Tiwari 443.6

Aravind 3213.4

Ashad Nasim 125.6

Ashish 0.0

Ayushi Mishra 5535.6

Bharath 3885.6

Boktiar Ahmed Bappy 6143.0

Chaitra K Hiremath 533.8

Deepranjan Gupta 7507.0

Dibyanshu 148.0

Harikrishnan Shaji 4070.6

Hitesh Choudhary 17.0

Hrisikesh Neogi 5557.8

Hyder Abbas 0.0

Ineuron Intelligence 0.0

Ishawant Kumar 5190.6

Jawala Prakash 4682.6

Jayant Kumar 1769.6

Jaydeep Dixit 6486.4

Khushboo Priya 6026.6

Madhulika G 5595.4

Mahak 240.8

Mahesh Sarade 3297.0

Maitry 4602.4

Maneesh 250.0

Manjunatha A 6105.2

Mithun S 2080.0

Mukesh 455.6

Mukesh Rao 2763.4

Muskan Garg 691.2

Nandani Gupta 6538.2

Nishtha Jain 3350.4

Nitin M 0.0

Prabir Kumar Satapathy 2139.8

Prateek _iot 2917.4

Prerna Singh 5948.4

Rishav Dash 6114.6

Rohan 0.0

Saif Khan 0.0

Saikumarreddy N 2240.2

Samprit 20.6

Sandipan Saha 947.0

Sanjeev Kumar 6189.8

Sanjeevan 0.0

Saurabh Shukla 428.4

Shiva Srivastava 532.8

Shivan K 5709.6

Shivan_S 220.4

Shivananda Sonwane 7611.6

Shubham Sharma 6259.0

Sowmiya Sivakumar 2144.0

Spuri 0.0

Sudhanshu Kumar 701.8

Suraj S Bilgi 946.0

Swati 4419.4

Tarun 542.8

Uday Mishra 0.0

Vasanth P 0.0

Vivek 916.6

Wasim 4133.2

Zeeshan 3870.4

Time taken: 48.741 seconds, Fetched: 71 row(s)

Q14) Find the number of chats on which they have received a feedback

Solution:

```
hive> select agent_name as agent, sum(total_chats) as chats, sum(total_feedback) as chats_with_feedback_received from agent_performance group by agent_name;
```

Query ID = cloudera_20221101234747_993bf134-206c-4ae0-9001-cba22ef8a2a8

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0029, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0029/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0029

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

2022-11-01 23:47:53,761 Stage-1 map = 0%, reduce = 0%

2022-11-01 23:48:06,087 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 3.01 sec

2022-11-01 23:48:19,713 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 6.5 sec

MapReduce Total cumulative CPU time: 6 seconds 500 msec

Ended Job = job_1667316033891_0029

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1   Cumulative CPU: 6.5 sec   HDFS Read: 125793 HDFS Write: 1285 SUCCESS

Total MapReduce CPU Time Spent: 6 seconds 500 msec

OK

agent   chats   chats_with_feedback_received

Abhishek 0 0

Aditya 0 0

Aditya Shinde 277 153

Aditya_iot 231 131

Amersh 0 0

Ameya Jain 322 228

Anirudh 81 39

Ankit Sharma 0 0

Ankitjha 5 3

Anurag Tiwari 4 3

Aravind 366 233

Ashad Nasim 18 9

Ashish 0 0

Ayushi Mishra 514 329

Bharath 369 247

Boktiar Ahmed Bappy 452 311

Chaitra K Hiremath 64 37

Deepranjan Gupta 493 312

Dibyanshu 1 0

Harikrishnan Shaji 381 231

Hitesh Choudhary 1 0

Hrisikesh Neogi 578 367

Hyder Abbas 0 0

Ineuron Intelligence 0 0

Ishawant Kumar 338 202

Jawala Prakash 439 250

Jayant Kumar 127 70

Jaydeep Dixit 512 305

Khushboo Priya 446 289

Madhulika G 469 281

Mahak 7 5

Mahesh Sarade 364 216

Maitry 542 347

Maneesh 4 3

Manjunatha A 413 254

Mithun S 503 364

Mukesh 19 17

Mukesh Rao 5 5

Muskan Garg 56 37

Nandani Gupta 560 308

Nishtha Jain 373 257

Nitin M 0 0

Prabir Kumar Satapathy 299 222

Prateek _iot 190 107

Prerna Singh 401 235

Rishav Dash 409 264

Rohan 0 0

Saif Khan 0 0

Saikumarreddy N 364 290

Samprit 1 0

Sandipan Saha 30 18

Sanjeev Kumar 507 311

Sanjeevan 0 0

Saurabh Shukla 16 8

Shiva Srivastava 53 46

Shivan K 357 243

Shivan_S 7 4

Shivananda Sonwane 441 263

Shubham Sharma 510 300

Sowmiya Sivakumar 206 141

Spuri 0 0

Sudhanshu Kumar 2 2

Suraj S Bilgi 28 15

Swati 524 302

Tarun 22 6

Uday Mishra 0 0

Vasanth P 0 0

Vivek 44 20

Wasim 433 284

Zeeshan 542 335

Time taken: 41.182 seconds, Fetched: 71 row(s)

Q15) Total contribution hour for each and every agents weekly basis

Solution:

hive> select week, agent, sum((time[0]*3600+time[1]*60+time[2])/3600) as total_hrs_contributed from(select agent, weekofyear(date) as week, split(duration,':') as time from agent_loging) t group by agent, week;

Query ID = cloudera_20221102000303_0195e12e-5cf9-4ba2-9b71-195b9943d4ee

Total jobs = 1

Launching Job 1 out of 1

Number of reduce tasks not specified. Estimated from input data size: 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_1667316033891_0032, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667316033891_0032/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667316033891_0032

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

2022-11-02 00:03:43,956 Stage-1 map = 0%, reduce = 0%

2022-11-02 00:03:58,926 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 4.5 sec

2022-11-02 00:04:13,594 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 9.45 sec

MapReduce Total cumulative CPU time: 9 seconds 450 msec

Ended Job = job_1667316033891_0032

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 9.45 sec HDFS Read: 68662 HDFS Write: 3068 SUCCESS

Total MapReduce CPU Time Spent: 9 seconds 450 msec

OK

week agent total_hrs_contributed

30 Aditya Shinde 0.03611111111111111

29 Aditya_iot 6.095277777777778

30 Aditya_iot 9.635833333333334

30 Amersh 3.0638888888888887

29 Ameya Jain 24.083055555555553

30 Ameya Jain 17.9925

30 Ankitjha 2.2669444444444444

29 Anurag Tiwari 0.2644444444444444

30 Anurag Tiwari 2.5144444444444445

29 Aravind 24.23555555555555

30 Aravind 0.06361111111111112

29 Ayushi Mishra 17.790277777777778

30 Ayushi Mishra 20.33138888888889

29 Bharath 24.070833333333333

30 Bharath 24.005833333333335

29 Boktiar Ahmed Bappy 17.75027777777778

30 Boktiar Ahmed Bappy 22.518333333333334

29 Chaitra K Hiremath 2.2347222222222225

30 Chaitra K Hiremath 32.090833333333336

29 Deepranjan Gupta 48.99638888888889

30 Deepranjan Gupta 57.27888888888887

29 Dibyanshu 27.743888888888907

30 Dibyanshu 24.851944444444474

29 Harikrishnan Shaji 21.438333333333333

30 Harikrishnan Shaji 32.27638888888889

29 Hrisikesh Neogi 26.89138888888889

30 Hrisikesh Neogi 30.677222222222223

29 Hyder Abbas 0.33611111111111114

30 Hyder Abbas 0.051944444444444446

29 Ineuron Intelligence 1.448611111111111

29 Ishawant Kumar 25.72083333333333

30 Ishawant Kumar 26.05805555555555

29 Jawala Prakash 24.340000000000003

30 Jawala Prakash 22.062222222222225

29 Jaydeep Dixit 41.91444444444444

30 Jaydeep Dixit 17.926111111111112

29 Khushboo Priya 21.715833333333336

30 Khushboo Priya 21.84277777777778

29 Madhulika G 25.850833333333334

30 Madhulika G 20.209444444444447

29 Mahesh Sarade 25.483055555555552

30 Mahesh Sarade 17.438888888888886

29 Maitry 24.65777777777778

30 Maitry 6.287222222222222

29 Manjunatha A 18.351111111111113

30 Manjunatha A 22.92361111111111

29 Mithun S 17.37972222222222

30 Mithun S 27.79388888888889

30 Mukesh 8.905

29 Muskan Garg 3.318611111111111

30 Muskan Garg 14.016944444444446

29 Nandani Gupta 17.33388888888889

30 Nandani Gupta 22.83833333333333

29 Nishtha Jain 22.11583333333333

30 Nishtha Jain 21.736944444444443

29 Nitin M 0.7988888888888889

29 Prabir Kumar Satapathy 17.524444444444445

30 Prabir Kumar Satapathy 15.852777777777776

29 Prateek _iot 7.269722222222223

30 Prateek _iot 11.148333333333335

29 Prerna Singh 18.517500000000002

30 Prerna Singh 27.19805555555556

29 Rishav Dash 18.89388888888889

30 Rishav Dash 22.881666666666668

29 Saikumarreddy N 24.980555555555558

30 Saikumarreddy N 18.156944444444445

29 Sanjeev Kumar 19.360833333333332

30 Sanjeev Kumar 25.326388888888893

29 Saurabh Shukla 16.663055555555555

29 Shiva Srivastava 1.906111111111111

30 Shiva Srivastava 13.088055555555556

29 Shivan K 16.71388888888889

30 Shivan K 19.388333333333332

29 Shivananda Sonwane 20.83416666666667

30 Shivananda Sonwane 28.45361111111111

29 Shubham Sharma 30.510277777777784

30 Shubham Sharma 23.28805555555555

29 Sowmiya Sivakumar 17.065833333333334

30 Sowmiya Sivakumar 27.688333333333333

29 Sudhanshu Kumar 24.454722222222223

30 Sudhanshu Kumar 21.77638888888889

30 Suraj S Bilgi 12.559166666666666

29 Swati 18.85861111111111

30 Swati 6.1425

26 Tarun 10.13888888888889

29 Wasim 19.625555555555554

30 Wasim 28.553611111111113

29 Zeeshan 24.427500000000002

30 Zeeshan 24.661111111111115

Time taken: 45.08 seconds, Fetched: 89 row(s)

Q16) Perform inner join, left join and right join based on the agent column and after joining the table export that data into your local system.

Solution:

Inner Join:

```
hive> select l.*, p.*
    > from
    > agent_loging l
    > inner join
    > agent_performance p
    > on l.agent = p.agent_name
    > limit 5;
```

Query ID = cloudera_20221102012525_d501b321-d4d3-421b-8138-c772966267be

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera_20221102012525_d501b321-d4d3-421b-8138-c772966267be.log

2022-11-02 01:25:37 Starting to launch local task to process map join; maximum memory = 932184064

2022-11-02 01:25:44 Dump the side-table for tag: 0 with group count: 49 into file: file:/tmp/cloudera/a7e5d834-a1dc-4221-bc58-c45c9866afe5/hive_2022-11-02_01-25-18_397_2973530280533039045-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile00--.hashtable

2022-11-02 01:25:44 Uploaded 1 File to: file:/tmp/cloudera/a7e5d834-a1dc-4221-bc58-c45c9866afe5/hive_2022-11-02_01-25-18_397_2973530280533039045-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile00--.hashtable (39341 bytes)

2022-11-02 01:25:44 End of local task; Time Taken: 6.518 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job_1667377030429_0001, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0001/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0001

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2022-11-02 01:26:19,004 Stage-3 map = 0%, reduce = 0%

2022-11-02 01:26:37,823 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 4.27 sec

MapReduce Total cumulative CPU time: 4 seconds 270 msec

Ended Job = job_1667377030429_0001

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1   Cumulative CPU: 4.27 sec   HDFS Read: 13194 HDFS Write: 542 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 270 msec

OK

l.s_no l.agent l.date l.login_time l.logout_time l.duration p.s_no p.date p.agent_name p.total_chats p.average_response_time p.average_resolution_time p.average_rating p.total_feedback

16 Prerna Singh 2022-07-30 12:32:28 14:10:08 01:37:40 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

75 Prerna Singh 2022-07-29 17:47:06 21:03:44 03:16:37 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

91 Prerna Singh 2022-07-29 15:08:22 17:20:49 02:12:27 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

110 Prerna Singh 2022-07-29 12:08:23 12:11:35 00:03:11 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

336 Prerna Singh 2022-07-27 13:11:06 20:58:35 07:47:29 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

Time taken: 81.761 seconds, Fetched: 5 row(s)

Left Join:

```
hive> select l.*, p.*
    > from
    > agent_loging l
    > left join
    > agent_performance p
    > on l.agent = p.agent_name
    > limit 5;
```

Query ID = cloudera_20221102012727_6495894f-c7bf-444f-a20f-ab60098d710d

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera_20221102012727_6495894f-c7bf-444f-a20f-ab60098d710d.log

2022-11-02 01:27:50 Starting to launch local task to process map join; maximum memory = 932184064

2022-11-02 01:27:52 Dump the side-table for tag: 1 with group count: 71 into file: file:/tmp/cloudera/a7e5d834-a1dc-4221-bc58-c45c9866afe5/hive_2022-11-02_01-27-41_896_8829501887617462410-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile11--.hashtable

2022-11-02 01:27:53 Uploaded 1 File to: file:/tmp/cloudera/a7e5d834-a1dc-4221-bc58-c45c9866afe5/hive_2022-11-02_01-27-41_896_8829501887617462410-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile11--.hashtable (77631 bytes)

2022-11-02 01:27:53 End of local task; Time Taken: 3.103 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job_1667377030429_0002, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0002/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0002

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2022-11-02 01:28:10,612 Stage-3 map = 0%, reduce = 0%

2022-11-02 01:28:28,294 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 4.95 sec

MapReduce Total cumulative CPU time: 4 seconds 950 msec

Ended Job = job_1667377030429_0002

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1   Cumulative CPU: 4.95 sec   HDFS Read: 13247 HDFS Write: 600 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 950 msec

OK

l.s_no l.agent l.date l.login_time l.logout_time l.duration p.s_no p.date p.agent_name p.total_chats p.average_response_time p.average_resolution_time p.average_rating p.total_feedback

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 69 2022-07-30 Shivananda Sonwane 4 00:01:14 00:16:53 5.0 1

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 73 2022-07-29 Shivananda Sonwane 14 00:00:45 00:15:38 4.679

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 214 2022-07-28 Shivananda Sonwane 5 00:00:31 00:38:04 5.0 4

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 285 2022-07-27 Shivananda Sonwane 26 00:01:12 00:20:10 4.2218

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 360 2022-07-26 Shivananda Sonwane 24 00:00:51 00:22:28 5.0 14

Time taken: 47.602 seconds, Fetched: 5 row(s)

Right Join:

```
hive> select l.*, p.*
    > from
    > agent_loging l
    > right join
    > agent_performance p
    > on l.agent = p.agent_name
    > limit 3;
```

Query ID = cloudera_20221102013131_5a7932b2-a989-4ece-8444-63b3a7a724b6

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera_20221102013131_5a7932b2-a989-4ece-8444-63b3a7a724b6.log

2022-11-02 01:31:28 Starting to launch local task to process map join; maximum memory = 932184064

2022-11-02 01:31:31 Dump the side-table for tag: 0 with group count: 49 into file: file:/tmp/cloudera/a7e5d834-a1dc-4221-bc58-c45c9866afe5/hive_2022-11-02_01-31-18_589_6374086923008905591-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile20--.hashtable

2022-11-02 01:31:31 Uploaded 1 File to: file:/tmp/cloudera/a7e5d834-a1dc-4221-bc58-c45c9866afe5/hive_2022-11-02_01-31-18_589_6374086923008905591-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile20--.hashtable (39341 bytes)

2022-11-02 01:31:31 End of local task; Time Taken: 2.557 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job_1667377030429_0003, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0003/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0003

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2022-11-02 01:31:46,028 Stage-3 map = 0%, reduce = 0%

2022-11-02 01:32:03,722 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 3.86 sec

MapReduce Total cumulative CPU time: 3 seconds 860 msec

Ended Job = job_1667377030429_0003

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1 Cumulative CPU: 3.86 sec HDFS Read: 13221 HDFS Write: 324 SUCCESS

Total MapReduce CPU Time Spent: 3 seconds 860 msec

OK

l.s_no l.agent l.date l.login_time l.logout_time l.duration p.s_no p.date p.agent_name p.total_chats p.average_response_time p.average_resolution_time p.average_rating p.total_feedback

16 Prerna Singh 2022-07-30 12:32:28 14:10:08 01:37:40 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

75 Prerna Singh 2022-07-29 17:47:06 21:03:44 03:16:37 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

91 Prerna Singh 2022-07-29 15:08:22 17:20:49 02:12:27 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

Time taken: 46.342 seconds, Fetched: 3 row(s)

Export data into local system:

Inner Join:

[cloudera@quickstart ~]$ hive -e 'select l.*, p.* from agent.agent_loging l inner join agent.agent_performance p on l.agent = p.agent_name limit 5' > /tmp/Agent_data/agent_inner_join.csv

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

Query ID = cloudera_20221102021313_3dbb874d-fdc2-49bd-b1d6-f3eb47b5c6d5

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera_20221102021313_3dbb874d-fdc2-49bd-b1d6-f3eb47b5c6d5.log

2022-11-02 02:13:23 Starting to launch local task to process map join; maximum memory = 932184064

2022-11-02 02:13:27 Dump the side-table for tag: 0 with group count: 49 into file: file:/tmp/cloudera/53d10f02-679f-4b61-918e-75477428efc2/hive_2022-11-02_02-13-11_168_5834537046314652500-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile00--.hashtable

2022-11-02 02:13:27 Uploaded 1 File to: file:/tmp/cloudera/53d10f02-679f-4b61-918e-75477428efc2/hive_2022-11-02_02-13-11_168_5834537046314652500-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile00--.hashtable (39341 bytes)

2022-11-02 02:13:27 End of local task; Time Taken: 4.238 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job_1667377030429_0006, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0006/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0006

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2022-11-02 02:13:47,531 Stage-3 map = 0%, reduce = 0%

2022-11-02 02:14:05,222 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 5.09 sec

MapReduce Total cumulative CPU time: 5 seconds 90 msec

Ended Job = job_1667377030429_0006

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1   Cumulative CPU: 5.09 sec   HDFS Read: 13194 HDFS Write: 542 SUCCESS

Total MapReduce CPU Time Spent: 5 seconds 90 msec

OK

Time taken: 56.553 seconds, Fetched: 5 row(s)

Left Join:

[cloudera@quickstart ~]$ hive -e 'select l.*, p.* from agent.agent_loging l left join agent.agent_performance p on l.agent = p.agent_name limit 5' > /tmp/Agent_data/agent_left_join.csv

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

Query ID = cloudera_20221102021414_f7ab8dd8-fdc3-448a-a846-512bbd2451c6

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera_20221102021414_f7ab8dd8-fdc3-448a-a846-512bbd2451c6.log

2022-11-02 02:14:54 Starting to launch local task to process map join; maximum memory = 932184064

2022-11-02 02:14:57 Dump the side-table for tag: 1 with group count: 71 into file: file:/tmp/cloudera/4cf935ee-290a-4387-bccc-1d023b332b07/hive_2022-11-02_02-14-43_629_6565383743414948191-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile01--.hashtable

2022-11-02 02:14:57 Uploaded 1 File to: file:/tmp/cloudera/4cf935ee-290a-4387-bccc-1d023b332b07/hive_2022-11-02_02-14-43_629_6565383743414948191-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile01--.hashtable (77631 bytes)

2022-11-02 02:14:57 End of local task; Time Taken: 3.059 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job_1667377030429_0007, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0007/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0007

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2022-11-02 02:15:14,314 Stage-3 map = 0%, reduce = 0%

2022-11-02 02:15:31,808 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 4.5 sec

MapReduce Total cumulative CPU time: 4 seconds 500 msec

Ended Job = job_1667377030429_0007

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1   Cumulative CPU: 4.5 sec   HDFS Read: 13055 HDFS Write: 600 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 500 msec

OK

Time taken: 50.644 seconds, Fetched: 5 row(s)

Right Join:

[cloudera@quickstart ~]$ hive -e 'select l.*, p.* from agent.agent_loging l right join agent.agent_performance p on l.agent = p.agent_name limit 5' > /tmp/Agent_data/agent_right_join.csv

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

Query ID = cloudera_20221102021616_6c0ea584-01f3-4d15-b707-8b2116b0307d

Total jobs = 1

Execution log at: /tmp/cloudera/cloudera_20221102021616_6c0ea584-01f3-4d15-b707-8b2116b0307d.log

2022-11-02 02:16:20 Starting to launch local task to process map join; maximum memory = 932184064

2022-11-02 02:16:22 Dump the side-table for tag: 0 with group count: 49 into file: file:/tmp/cloudera/7ef817ad-963c-4d3b-b113-e87e225620e4/hive_2022-11-02_02-16-08_907_5363628296010565902-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile00--.hashtable

2022-11-02 02:16:23 Uploaded 1 File to: file:/tmp/cloudera/7ef817ad-963c-4d3b-b113-e87e225620e4/hive_2022-11-02_02-16-08_907_5363628296010565902-1/-local-10003/HashTable-Stage-3/MapJoin-mapfile00--.hashtable (39341 bytes)

2022-11-02 02:16:23 End of local task; Time Taken: 3.068 sec.

Execution completed successfully

MapredLocal task succeeded

Launching Job 1 out of 1

Number of reduce tasks is set to 0 since there's no reduce operator

Starting Job = job_1667377030429_0008, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0008/

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0008

Hadoop job information for Stage-3: number of mappers: 1; number of reducers: 0

2022-11-02 02:16:44,458 Stage-3 map = 0%, reduce = 0%

2022-11-02 02:16:59,648 Stage-3 map = 100%, reduce = 0%, Cumulative CPU 4.45 sec

MapReduce Total cumulative CPU time: 4 seconds 450 msec

Ended Job = job_1667377030429_0008

MapReduce Jobs Launched:

Stage-Stage-3: Map: 1 Cumulative CPU: 4.45 sec HDFS Read: 13029 HDFS Write: 542 SUCCESS

Total MapReduce CPU Time Spent: 4 seconds 450 msec

OK

Time taken: 53.231 seconds, Fetched: 5 row(s)

Check the exported data in local system:

[cloudera@quickstart ~]$ ls /tmp/Agent_data

agent_inner_join.csv agent_left_join.csv AgentLogingReport.csv AgentPerformance.csv agent_right_join.csv

[cloudera@quickstart ~]$ cat /tmp/Agent_data/agent_inner_join.csv

16 Prerna Singh 2022-07-30 12:32:28 14:10:08 01:37:40 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

75 Prerna Singh 2022-07-29 17:47:06 21:03:44 03:16:37 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

91 Prerna Singh 2022-07-29 15:08:22 17:20:49 02:12:27 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

110 Prerna Singh 2022-07-29 12:08:23 12:11:35 00:03:11 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

336 Prerna Singh 2022-07-27 13:11:06 20:58:35 07:47:29 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

[cloudera@quickstart ~]$ cat /tmp/Agent_data/agent_left_join.csv

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 69 2022-07-30 Shivananda Sonwane 4 00:01:14 00:16:53 5.0 1

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 73 2022-07-29 Shivananda Sonwane 14 00:00:45 00:15:38 4.679

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 214 2022-07-28 Shivananda Sonwane 5 00:00:31 00:38:04 5.0 4

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 285 2022-07-27 Shivananda Sonwane 26 00:01:12 00:20:10 4.2218

1 Shivananda Sonwane 2022-07-30 15:35:29 17:39:39 02:04:10 360 2022-07-26 Shivananda Sonwane 24 00:00:51 00:22:28 5.0 14

[cloudera@quickstart ~]$ cat /tmp/Agent_data/agent_right_join.csv

16 Prerna Singh 2022-07-30 12:32:28 14:10:08 01:37:40 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

75 Prerna Singh 2022-07-29 17:47:06 21:03:44 03:16:37 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

91 Prerna Singh 2022-07-29 15:08:22 17:20:49 02:12:27 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

110 Prerna Singh 2022-07-29 12:08:23 12:11:35 00:03:11 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

336 Prerna Singh 2022-07-27 13:11:06 20:58:35 07:47:29 1 2022-07-30 Prerna Singh 11 00:00:38 00:04:20 4.11 9

Q17) Perform partitioning on top of the agent column and then on top of that perform bucketing for each partitioning.

Solution:

First set the below mentioned properties to be true.

```
hive> set hive.exec.dynamic.partition=true;
hive> set hive.exec.dynamic.patition.mode=nonstrict;
```

Create Partition_bucketed table:

```
hive> create table partition_bucketed_loging
    > (
    > s_no int,
    > date date,
    > login_time string,
    > logout_time string,
    > duration string
    > )
    > partitioned by (agent string)
    > clustered by(s_no)
    > into 4 buckets
    > row format delimited
    > fields terminated by ','
    > stored as textfile;
OK
Time taken: 0.156 seconds
```

Load data into Partition_bucketed table:

```
hive> insert overwrite table partition_bucketed_loging partition(agent) select s_no, date, login_time, logout_time, duration, agent from agent_loging;
Query ID = cloudera_20221102040808_6531ce58-de2e-4c4a-a582-331557eb8787
Total jobs = 3
Launching Job 1 out of 3
Number of reduce tasks is set to 0 since there's no reduce operator
Starting Job = job_1667377030429_0010, Tracking URL = http://quickstart.cloudera:8088/proxy/application_1667377030429_0010/
```

Kill Command = /usr/lib/hadoop/bin/hadoop job -kill job_1667377030429_0010

Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 0

2022-11-02 04:08:54,135 Stage-1 map = 0%, reduce = 0%

2022-11-02 04:09:15,365 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 6.32 sec

MapReduce Total cumulative CPU time: 6 seconds 320 msec

Ended Job = job_1667377030429_0010

Stage-4 is selected by condition resolver.

Stage-3 is filtered out by condition resolver.

Stage-5 is filtered out by condition resolver.

Moving data to: hdfs://quickstart.cloudera:8020/user/hive/warehouse/agent.db/partition_bucketed_loging/.hive-staging_hive_2022-11-02_04-08-38_814_1998316040267771961-1/-ext-10000

Loading data to table agent.partition_bucketed_loging partition (agent=null)

Time taken for load dynamic partitions : 11817

Loading partition {agent=Sudhanshu Kumar}

Loading partition {agent=Aditya Shinde}

Loading partition {agent=Suraj S Bilgi}

Loading partition {agent=Hrisikesh Neogi}

Loading partition {agent=Dibyanshu}

Loading partition {agent=Shiva Srivastava}

Loading partition {agent=Saikumarreddy N}

Loading partition {agent=Jaydeep Dixit}

Loading partition {agent=Ankitjha}

Loading partition {agent=Prabir Kumar Satapathy}

Loading partition {agent=Deepranjan Gupta}

Loading partition {agent=Khushboo Priya}

Loading partition {agent=Hyder Abbas}

Loading partition {agent=Amersh}

Loading partition {agent=Anurag Tiwari}

Loading partition {agent=Madhulika G}

Loading partition {agent=Aravind}

Loading partition {agent=Prateek _iot}

Loading partition {agent=Mithun S}

Loading partition {agent=Mahesh Sarade}

Loading partition {agent=Ameya Jain}

Loading partition {agent=Swati}

Loading partition {agent=Bharath}

Loading partition {agent=Sowmiya Sivakumar}

Loading partition {agent=Ineuron Intelligence}

Loading partition {agent=Prerna Singh}

Loading partition {agent=Wasim}

Loading partition {agent=Zeeshan}

Loading partition {agent=Manjunatha A}

Loading partition {agent=Nishtha Jain}

Loading partition {agent=Harikrishnan Shaji}

Loading partition {agent=Shubham Sharma}

Loading partition {agent=Boktiar Ahmed Bappy}

Loading partition {agent=Saurabh Shukla}

Loading partition {agent=Rishav Dash}

Loading partition {agent=Jawala Prakash}

Loading partition {agent=Mukesh}

Loading partition {agent=Tarun}

Loading partition {agent=Sanjeev Kumar}

Loading partition {agent=Maitry}

Loading partition {agent=Nandani Gupta}

Loading partition {agent=Aditya_iot}

Loading partition {agent=Chaitra K Hiremath}

Loading partition {agent=Shivan K}

Loading partition {agent=Shivananda Sonwane}

Loading partition {agent=Nitin M}

Loading partition {agent=Ishawant Kumar}

Loading partition {agent=Muskan Garg}

Loading partition {agent=Ayushi Mishra}

Time taken for adding to write entity : 31

Partition agent.partition_bucketed_loging{agent=Aditya Shinde} stats: [numFiles=1, numRows=1, totalSize=42, rawDataSize=41]

Partition agent.partition_bucketed_loging{agent=Aditya_iot} stats: [numFiles=1, numRows=9, totalSize=377, rawDataSize=368]

Partition agent.partition_bucketed_loging{agent=Amersh} stats: [numFiles=1, numRows=4, totalSize=168, rawDataSize=164]

Partition agent.partition_bucketed_loging{agent=Ameya Jain} stats: [numFiles=1, numRows=10, totalSize=420, rawDataSize=410]

Partition agent.partition_bucketed_loging{agent=Ankitjha} stats: [numFiles=1, numRows=4, totalSize=168, rawDataSize=164]

Partition agent.partition_bucketed_loging{agent=Anurag Tiwari} stats: [numFiles=1, numRows=37, totalSize=1553, rawDataSize=1516]

Partition agent.partition_bucketed_loging{agent=Aravind} stats: [numFiles=1, numRows=10, totalSize=420, rawDataSize=410]

Partition agent.partition_bucketed_loging{agent=Ayushi Mishra} stats: [numFiles=1, numRows=18, totalSize=755, rawDataSize=737]

Partition agent.partition_bucketed_loging{agent=Bharath} stats: [numFiles=1, numRows=9, totalSize=378, rawDataSize=369]

Partition agent.partition_bucketed_loging{agent=Boktiar Ahmed Bappy} stats: [numFiles=1, numRows=17, totalSize=709, rawDataSize=692]

Partition agent.partition_bucketed_loging{agent=Chaitra K Hiremath} stats: [numFiles=1, numRows=13, totalSize=543, rawDataSize=530]

Partition agent.partition_bucketed_loging{agent=Deepranjan Gupta} stats: [numFiles=1, numRows=58, totalSize=2433, rawDataSize=2375]

Partition agent.partition_bucketed_loging{agent=Dibyanshu} stats: [numFiles=1, numRows=208, totalSize=8719, rawDataSize=8511]

Partition agent.partition_bucketed_loging{agent=Harikrishnan Shaji} stats: [numFiles=1, numRows=23, totalSize=963, rawDataSize=940]

Partition agent.partition_bucketed_loging{agent=Hrisikesh Neogi} stats: [numFiles=1, numRows=37, totalSize=1544, rawDataSize=1507]

Partition agent.partition_bucketed_loging{agent=Hyder Abbas} stats: [numFiles=1, numRows=2, totalSize=84, rawDataSize=82]

Partition agent.partition_bucketed_loging{agent=Ineuron Intelligence} stats: [numFiles=1, numRows=1, totalSize=42, rawDataSize=41]

Partition agent.partition_bucketed_loging{agent=Ishawant Kumar} stats: [numFiles=1, numRows=49, totalSize=2052, rawDataSize=2003]

Partition agent.partition_bucketed_loging{agent=Jawala Prakash} stats: [numFiles=1, numRows=16, totalSize=668, rawDataSize=652]

Partition agent.partition_bucketed_loging{agent=Jaydeep Dixit} stats: [numFiles=1, numRows=11, totalSize=459, rawDataSize=448]

Partition agent.partition_bucketed_loging{agent=Khushboo Priya} stats: [numFiles=1, numRows=18, totalSize=752, rawDataSize=734]

Partition agent.partition_bucketed_loging{agent=Madhulika G} stats: [numFiles=1, numRows=17, totalSize=713, rawDataSize=696]

Partition agent.partition_bucketed_loging{agent=Mahesh Sarade} stats: [numFiles=1, numRows=36, totalSize=1509, rawDataSize=1473]

Partition agent.partition_bucketed_loging{agent=Maitry} stats: [numFiles=1, numRows=5, totalSize=210, rawDataSize=205]

Partition agent.partition_bucketed_loging{agent=Manjunatha A} stats: [numFiles=1, numRows=8, totalSize=333, rawDataSize=325]

Partition agent.partition_bucketed_loging{agent=Mithun S} stats: [numFiles=1, numRows=14, totalSize=586, rawDataSize=572]

Partition agent.partition_bucketed_loging{agent=Mukesh} stats: [numFiles=1, numRows=3, totalSize=124, rawDataSize=121]

Partition agent.partition_bucketed_loging{agent=Muskan Garg} stats: [numFiles=1, numRows=12, totalSize=503, rawDataSize=491]

Partition agent.partition_bucketed_loging{agent=Nandani Gupta} stats: [numFiles=1, numRows=11, totalSize=458, rawDataSize=447]

Partition agent.partition_bucketed_loging{agent=Nishtha Jain} stats: [numFiles=1, numRows=18, totalSize=754, rawDataSize=736]

Partition agent.partition_bucketed_loging{agent=Nitin M} stats: [numFiles=1, numRows=1, totalSize=42, rawDataSize=41]

Partition agent.partition_bucketed_loging{agent=Prabir Kumar Satapathy} stats: [numFiles=1, numRows=26, totalSize=1091, rawDataSize=1065]

Partition agent.partition_bucketed_loging{agent=Prateek _iot} stats: [numFiles=1, numRows=17, totalSize=711, rawDataSize=694]

Partition agent.partition_bucketed_loging{agent=Prerna Singh} stats: [numFiles=1, numRows=18, totalSize=753, rawDataSize=735]

Partition agent.partition_bucketed_loging{agent=Rishav Dash} stats: [numFiles=1, numRows=12, totalSize=504, rawDataSize=492]

Partition agent.partition_bucketed_loging{agent=Saikumarreddy N} stats: [numFiles=1, numRows=10, totalSize=420, rawDataSize=410]

Partition agent.partition_bucketed_loging{agent=Sanjeev Kumar} stats: [numFiles=1, numRows=20, totalSize=839, rawDataSize=819]

Partition agent.partition_bucketed_loging{agent=Saurabh Shukla} stats: [numFiles=1, numRows=40, totalSize=1680, rawDataSize=1640]

Partition agent.partition_bucketed_loging{agent=Shiva Srivastava} stats: [numFiles=1, numRows=15, totalSize=629, rawDataSize=614]

Partition agent.partition_bucketed_loging{agent=Shivan K} stats: [numFiles=1, numRows=36, totalSize=1506, rawDataSize=1470]

Partition agent.partition_bucketed_loging{agent=Shivananda Sonwane} stats: [numFiles=1, numRows=15, totalSize=625, rawDataSize=610]

Partition agent.partition_bucketed_loging{agent=Shubham Sharma} stats: [numFiles=1, numRows=35, totalSize=1469, rawDataSize=1434]

Partition agent.partition_bucketed_loging{agent=Sowmiya Sivakumar} stats: [numFiles=1, numRows=24, totalSize=1005, rawDataSize=981]

Partition agent.partition_bucketed_loging{agent=Sudhanshu Kumar} stats: [numFiles=1, numRows=11, totalSize=462, rawDataSize=451]

Partition agent.partition_bucketed_loging{agent=Suraj S Bilgi} stats: [numFiles=1, numRows=5, totalSize=206, rawDataSize=201]

Partition agent.partition_bucketed_loging{agent=Swati} stats: [numFiles=1, numRows=5, totalSize=210, rawDataSize=205]

Partition agent.partition_bucketed_loging{agent=Tarun} stats: [numFiles=1, numRows=1, totalSize=43, rawDataSize=42]

Partition agent.partition_bucketed_loging{agent=Wasim} stats: [numFiles=1, numRows=20, totalSize=840, rawDataSize=820]

Partition agent.partition_bucketed_loging{agent=Zeeshan} stats: [numFiles=1, numRows=10, totalSize=419, rawDataSize=409]

MapReduce Jobs Launched:

Stage-Stage-1: Map: 1 Cumulative CPU: 6.32 sec HDFS Read: 61313 HDFS Write: 45367 SUCCESS

Total MapReduce CPU Time Spent: 6 seconds 320 msec

OK

Time taken: 57.42 seconds