

CB.EN.U4CSE19459

SHANTHAN REDDY

1. egypt = filter finalair by territory == 'Egypt';

dump egypt;

```
2022-04-05 08:45:11,606 [main] INFO org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total input files to process : 1
2022-04-05 08:45:11,606 [main] INFO org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil - Total input paths to process : 1
(163,Arab Agricultural Aviation Company,\N,,AGC,AGRICO,Egypt,N)
(317,AMC Airlines,\N,,AMV,,Egypt,Y)
(442,Air Sinai,\N,,ASD,AIR SINAI,Egypt,Y)
(610,Air Memphis,\N,,MHS,AIR MEMPHIS,Egypt,N)
(992,Alexandria Airlines,\N,,KHH,,Egypt,N)
(1015,Aleen,\N,,LEM,,Egypt,N)
(1020,Al Ahram Aviation,\N,,LHR,AL AHRAM,Egypt,N)
(1094,Air Cairo,\N,,MSC,,Egypt,N)
(1146,Al Farana Airline,\N,,PHR,PHARAOH,Egypt,N)
(1603,Cairo Air Transport Company,\N,,CCE,,Egypt,N)
(2143,Egyptair,\N,,MS,MSR,EGYPTAIR,Egypt,Y)
(2144,Egyptair Cargo,\N,,MSX,EGYPTAIR CARGO,Egypt,N)
(2145,Egyptian Air Force,\N,,EGY,,Egypt,N)
(2146,Egyptian Aviation,\N,,EXX,,Egypt,N)
(2147,Egyptian Aviation Company,\N,,EMA,,Egypt,N)
(2369,Flash Airlines,\N,,FSH,FLASH,Egypt,N)
(2897,International Air Cargo Corporation,\N,,IAK,AIR CARGO EGYPT,Egypt,N)
(3314,Lotus Air,\N,,TAS,LOTUS FLOWER,Egypt,N)
(3333,Luxor Air,\N,,LXO,,Egypt,N)
(3449,Mediterranean Airways,\N,,MDY,,Egypt,N)
(3498,Midwest Airlines (Egypt),\N,,MY,MMA,,Egypt,Y)
(3508,Mina Airline Company,\N,,NAB,,Egypt,N)
(3518,Misir Overseas Airways,\N,,MOS,,Egypt,N)
(3602,National Aviation Company,\N,,QTY,,Egypt,N)
(3610,National Overseas Airlines Company,\N,,NOL,NAT AIRLINE,Egypt,N)
(3664,Nile Valley Aviation Company,\N,,NVA,,Egypt,N)
(3802,Orco Air,\N,,ORK,ORCA TAXI,Egypt,N)
(3819,Orscom Tourist Installations Company,\N,,OAD,ORSKOM,Egypt,N)
(3876,Palestinian Airlines,\N,,PF,PNW,PALESTINIAN,Egypt,N)
(4087,Pyramid Air Lines,\N,,PYR,PYAIR,Egypt,N)
(4141,Raslan Air Service,\N,,MWR,RASLAN,Egypt,N)
(4159,Red Sea Aviation,\N,,RDV,RED AVIATION,Egypt,N)
(4351,Scorpio,\N,,SCP,SCORPIO,Egypt,N)
(4419,Shorouk Air,\N,,SHK,,Egypt,N)
(4444,Saber Airlines,\N,,SIS,,Egypt,N)
(4528,Sun Air,\N,,SUR,,Egypt,N)
(4884,Tropicair Air Services,\N,,TCA,TROPICANA,Egypt,N)
(4982,Transmed Airlines,\N,,TMD,,Egypt,N)
(5075,Tristar Air,\N,,TSV,TRIPLE STAR,Egypt,N)
(5512,ZAS Airlines of Egypt,\N,,ZAS,ZAS AIRLINES,Egypt,N)
(11811,AlMasria Universal Airlines,,UJ,LMU,ALMASRIA,Egypt,Y)
(11813,EgyptAir Express,,MSE,EGYPTAIR EXPRESS,Egypt,Y)
(11815,Air Italy Egypt,,EUD,,Egypt,Y)
(11816,KoralBlue Airlines,,K7,KBR,KORAL BLUE,Egypt,Y)
(16628,Jusur airways,,JX,JSR,,Egypt,Y)
(16963,Air Arabia Egypt,,E5,RBG,,Egypt,Y)
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2.

up = foreach finalair generate UPPER(airline\_name),active;

a = limit up 3;

dump a;



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3.
group_data = GROUP finalair by territory;
dump group_data;
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4. order_data = ORDER finalair by airlineID DESC;
   dump order_data;
```

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hduser@shanthan-VirtualBox: ~
103,Aeroservicios Ejecutivos Del Occidente,\N,,AEO,AERO OCCIDENTE,Mexico,N)
1029,Air Plus Argentina,\N,,LMP,AIR FLIGHT,Argentina,N)
1028,Alamia Air,\N,,LML,ALAMIA AIR,Ltbya,N)
1027,Aerolina,\N,,LMA,AEROLIMA,Mexico,N)
1026,Alliance Air,\N,CD,LLR,ALLIED,India,N)
1025,Air Solutions,\N,,LKY,LUCKY,United States,N)
1024,Airlink Solutions,\N,,LKS,AIRLIN,Spain,N)
1023,American Aviation,\N,,LKP,LAKE POWELL,United States,N)
10226,Atifly,,A1,A1F,atifly,United States,Y)
10224,Zz,,ZZ,\N,,Belgium,Y)
1022,Al-Dawood Air,\N,,LIE,AL-DAWOOD AIR,Nigeria,N)
1021,Alidaunia,\N,D4,LID,ALIDA,Italy,N)
1020,Al Ahran Aviation,\N,,LHR,AL AHRAM,Egypt,N)
102,Aerolines Nacionales,\N,,AEN,,Mexico,N)
1019,Aerolaguna,\N,,LGN,AEROLAGUNA,Mexico,N)
1018,Aero Control Air,\N,,LFC,LIFE FLIGHT CANADA,Canada,N)
1017,Air Alfa,\N,,LFA,,Turkey,Y)
1016,Aerolineas Ejecutivas,\N,,LET,MEXEJECUTIV,Mexico,N)
1015,Aleen,\N,,LEM,,Egypt,N)
1014,Aero Lider,\N,,LDR,AEROLIDER,Mexico,N)
1013,Al-Donas Airlines,\N,,LDN,ALDONAS AIR,Nigeria,N)
10128,Dennis Sky,Dennis Sky Holding,DH,DSY,DSY,Israel,Y)
10124,California Western,\N,,KT,CWS,,United States,N)
10123,Texas Wings,\N,,TXW,United States,Y)
10122,Salzburg arrows,\N,,SZA,SZ,\N,SZA,Austria,Y)
10121,Illinois Airways,\N,,IL,ILW,,United States,N)
1012,Aerologic,\N,,LDL,,Russia,N)
10119,Texas Spirit,\N,,XS,TXP,,United States,N)
10118,Blue Sky America,\N,,BU,BKY,,United States,N)
10117,FlyLAL Charters,\N,,LLC,,Lithuania,Y)
10114,Line Blue,\N,,LBI,ALBISA,Mexico,N)
1011,Aerolineas Aereas Ejecutivas De Durango,\N,,LDG,DURANGO,Mexico,N)
1010,Albatros Airways,\N,,LBW,ALBANWAYS,Albania,N)
101,Aero Madrid,\N,,AEM,AEROMADRID,Spain,N)
10094,Voronezhskie Airlines,\N,,DN,\N,,Russia,N)
1009,Albisa,\N,,LBI,ALBISA,Mexico,N)
1008,Albanian Airlines,\N,,LV,LBC,ALBANIAN,Albania,Y)
1007,Aerovias De Lagos,\N,,LAG,AEROLAGOS,Mexico,N)
10069,City-Air Germany,\N,,CIP,,Germany,N)
1006,Air Astana,\N,,KC,KZR,ASTANALINE,Kazakhstan,Y)
1005,Av Atlantic,\N,,KYC,DOLPHIN,United States,N)
1004,Alliance Avia,\N,,KVR,KAVAIR,Kazakhstan,N)
1003,Aeronavigaciya,\N,,KTN,AERONAVIGACIYA,Ukraine,N)
1002,Air Kissari,\N,,KSI,KISSARI,Angola,N)
1001,Air Kokshetau,\N,,KRT,KOKTA,Kazakhstan,N)
1000,AeroSucre,\N,,KRE,AEROSUCRE,Colombia,N)
100,Aerocon,\N,,AEK,AEROCON,Bolivia,N)
10,40-Mile Air,\N,,Q5,MLA,MILE-AIR,United States,Y)

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5.

outer\_left = JOIN finalair BY airline\_iata LEFT OUTER, routes BY route\_iata;

dump outer\_left;

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hduser@shanthan-VirtualBox: ~
(19599,Skyline Ulasim Ticaret A.S.,Skyline Ulasim Ticaret A.S.,,KCU,Kocoglu,Turkey,Y,,,,,)
(19619,Envoy Air,,ENV,Envoy,United States,Y,,,,,)
(19651,CARICOM AIRWAYS (BARBADOS) INC.,CARICOM AIRWAYS,,CCB,,Barbados,Y,,,,,)
(65,Airservices Australia,\N,,ADA,AUSCAL,Australia,N,,,,,)
(64,Atlas Cargo Lines,\N,,ACY,ATLAS CARGOLINES,Morocco,N,,,,,)
(63,Air Somalia,\N,,RSM,AIR SOMALIA,Somali Republic,N,,,,,)
(61,Air Charters,\N,,ACX,PARAIR,Canada,N,,,,,)
(59,Air Charter Service,\N,,ACV,,United Kingdom,N,,,,,)
(58,Air Cargo Transportation System,\N,,ACU,AFRISPIRIT,Kenya,N,,,,,)
(57,Air Aurora,\N,,AAI,BOREALIS,United States,N,,,,,)
(56,Air Cess,\N,,ACS,,Liberia,N,,,,,)
(54,Aero Comondu,\N,,ACO,AERO COMONDU,Mexico,N,,,,,)
(53,Academy Airlines,\N,,ACD,ACADEMY,United States,N,,,,,)
(52,Avcard Services,\N,,ACC,,United Kingdom,N,,,,,)
(51,ATA Brasil,\N,,ABZ,ATA-BRAZIL,Brazil,N,,,,,)
(47,Aerocenter,\N,,ACR,,Escuela de Formacion de Pilotos Privados de Avion,AEROCENTER,N,,,,,)
(46,Aerovias Bueno,\N,,ABU,AEROBUENO,Colombia,N,,,,,)
(45,APSA Colombia,\N,,ABO,AEROEXPRESO,Colombia,N,,,,,)
(44,Alberta Citylink,\N,,ABK,ALBERTA CITYLINK,Canada,N,,,,,)
(43,Abaet,\N,,ABJ,Abaet,Brazil,N,,,,,)
(41,Abakan-Avia,\N,,ABG,ABAKAN-AVIA,Russia,N,,,,,)
(40,Aerial Oy,\N,,ABF,SKYWINGS,Finland,N,,,,,)
(19745,Transilvania,,TNS,,Romania,Y,,,,,)
(38,African Business and Transportations,\N,,ABB,AFRICAN BUSINESS-,Democratic Republic of the Congo,N,,,,,)
(37,Artem-Avia,\N,,ABA,ARTEM-AVIA,Ukraine,N,,,,,)
(36,Angus Aviation,\N,,AAZ,ANGUS,Canada,N,,,,,)
(34,Africa'air Express,\N,,AAX,AFREX,Ivory Coast,N,,,,,)
(31,Astro Air International,\N,,AAV,ASTRO-PHIL,United States,N,,,,,)
(30,Australia Asia Airlines,\N,,AAU,AUSTASIA,Australia,N,,,,,)
(19776,Grand Cru Airlines,,GCA,,Lithuania,Y,,,,,)
(27,Aerovista Airlines,\N,,AAP,AEROVISTA GROUP,United Arab Emirates,N,,,,,)
(26,Atlantis Airlines (USA),\N,,AAO,ATLANTIS AIR,United States,N,,,,,)
(25,Aviation Management Corporation,\N,,AAM,AM CORP,United States,N,,,,,)
(19785,Go2Sky,,RLX,RELAX,Slovakia,Y,,,,,)
(23,Alaska Island Air,\N,,AAK,ALASKA ISLAND,United States,N,,,,,)
(20,Aero Albatros,\N,,ABM,ALBATROS ESPANA,Spain,N,,,,,)
(19,Aero Blnza,\N,,BZS,BINIZA,Mexico,N,,,,,)
(18,Aero Servicios Ejecutivos Internacionales,\N,,SII,ASEISA,Mexico,N,,,,,)
(17,Aero Aviation Centre Ltd.,\N,,AAD,SUNRISE,Canada,N,,,,,)
(16,Army Air Corps,\N,,AAC,ARMYAIR,United Kingdom,N,,,,,)
(12,611897 Alberta Limited,\N,,THD,DONUT,Canada,N,,,,,)
(11,4D Air,\N,,QRT,QUARTET,Thailand,N,,,,,)
(9,3D Aviation,\N,,SEC,SECUREX,United States,N,,,,,)
(8,247 Jet Ltd,\N,,TWf,CLOUD RUNNER,United Kingdom,N,,,,,)
(7,224th Flight Unit,\N,,TTF,CARGO UNIT,Russia,N,,,,,)
(6,223 Flight Unit State Airline,\N,,CHD,CHKALOVSK-AVIA,Russia,N,,,,,)
(5,213 Flight Unit,\N,,TFU,,Russia,N,,,,,)
(4,2 Sqn No 1 Elementary Flying Training School,\N,,WYT,,United Kingdom,N,,,,,)

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6. unon = UNION finalair, routes;

dump unon;



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19358, Caribbean Wings, XP, ZYZ, caribbean Wings, Turks and Caicos Islands, N)
19359, FLVJET, , FVJ, Fast Jet, Poland, Y)
19361, Snowbird Airlines, S0, SBD, , Finland, Y)
19363, Russkie Krylya, , KRY, , Russia, Y)
19367, Kharkiv Airlines, KH, KHK, , Ukraine, Y)
19423, Key Air, , KMY, KeyAir, United States, N)
19433, XAIR USA, , XA, XAU, XAIR, United States, Y)
19451, Air Costa, , LB, N, , India, Y)
19459, Simritk Airlines, , RMK, , Nepal, Y)
19465, Global Freightways, , F5, GF5, Freight, United States, N)
19473, XPTO, XPTO, , XP, XPT, XPTO, Portugal, Y)
19474, Royal Flight, , , DME, , Russia, Y)
19525, BBN Airways, BlackBurn, , EGH, BBN, United Kingdom, Y)
19531, TomsK-Avta, , , TKS, , Russia, Y)
19538, Vintage Props and Jets, , , VPP, VINTAGE, United States, N)
19541, Malawian Airlines, , 3W, N, , Malawi, Y)
19548, Yeti Airlines, , , NYT, , Nepal, Y)
19567, Avitu, Avitu' SA, , , , , , Switzerland, Y)
19599, Skyline Ulasim Ticaret A.S., Skyline Ulasim Ticaret A.S., KCU, Kocoglu, Turkey, Y)
19619, Envoy Air, , , ENY, Envoy, United States, Y)
19651, CARICOM AIRWAYS (BARBADOS) INC., CARICOM AIRWAYS, CCB, , Barbados, Y)
19674, Rainbow Air (RAI), Rainbow Air (RAI), RN, RAB, Rainbow, United States, Y)
19675, Rainbow Air Canada, Rainbow Air CAN, RY, RAY, Rainbow CAN, Canada, Y)
19676, Rainbow Air Polynesia, Rainbow Air POL, RX, RPO, Rainbow Air, United States, Y)
19677, Rainbow Air Euro, Rainbow Air EU, RU, RUE, Rainbow Air, United Kingdom, Y)
19678, Rainbow Air US, Rainbow Air US, RM, RNY, Rainbow Air, United States, Y)
19745, Transilvania, , , TNS, , Romania, Y)
19751, Dobrolet, Dobrolet, QD, DOB, DOBROLET, Russia, Y)
19774, Spike Airlines, Aero Spike, S0, SAL, Spike Air, United States, Y)
19776, Grand Cru Airlines, , , GCA, , Lithuania, Y)
19785, Go2Sky, , , RLX, RELAX, Slovakia, Y)
19803, All Argentina, All Argentina, L1, AL1, , Argentina, Y)
19804, All America, All America, A2, AL2, , United States, Y)
19805, All Asia, All Asia, L9, AL3, , China, Y)
19806, All Africa, All Africa, 9A, 99F, , South Africa, Y)
19807, Regionallia México, Regionallia México, N4, J88, , Mexico, Y)
19808, All Europe, All Europe, N9, N99, , United Kingdom, Y)
19809, All Spain, All Spain, N7, N77, , Spain, Y)
19810, Regional Air Iceland, Regional Air Iceland, 9N, N78, , Iceland, Y)
19811, British Air Ferries, , ??, ??, , United Kingdom, N)
19812, Voestar, Voestar Brasil, 8K, K88, , Brazil, Y)
19813, All Colombia, All Colombia, 70, 7KK, , Colombia, Y)
19814, Regionallia Uruguay, Regionallia Uruguay, 2X, 2K2, , Uruguay, Y)
19815, Regionallia Venezuela, Regionallia Venezuela, 9X, 9XX, , Venezuela, Y)
19827, Regionallia Chile, Regionallia Chile, 9J, CR1, , Chile, Y)
19828, Vuela Cuba, Vuela Cuba, 6C, 6CC, , Cuba, Y)
19830, All Australia, All Australia, 88, 8K8, , Australia, Y)
19831, Fly Europa, , ER, RWW, , Spain, Y)
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