**Airlines Analysis**

**Problem Statement**

**A. Find list of Airports operating in the Country India**

**B. Find the list of Airlines having zero stops**

**C. List of Airlines operating with code share**

**D. Which country (or) territory having highest Airports**

**E. Find the list of Active Airlines in United state**

**Dataset Description**

**In this use case there are 3 data sets. Final\_airlines, routes.dat, airports\_mod.dat**

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**Air Ports data set i.e airports\_mod.dat**

**It contains the following fields**

**Airport ID Unique OpenFlights identifier for this airport.**

**Name Name of airport. May or may not contain the City name.**

**City Main city served by airport. May be spelled differently from Name.**

**Country Country or territory where airport is located.**

**IATA/FAA 3-letter FAA code, for airports located in Country "United States of America".**

**3-letter IATA code, for all other airports.**

**Blank if not assigned.**

**ICAO 4-letter ICAO code.**

**Blank if not assigned.**

**Latitude Decimal degrees, usually to six significant digits. Negative is South, positive is North.**

**Longitude Decimal degrees, usually to six significant digits. Negative is West, positive is East.**

**Altitude In feet.**

**Timezone Hours offset from UTC. Fractional hours are expressed as decimals, eg. India is 5.5.**

**DST Daylight savings time. One of E (Europe), A (US/Canada), S (South America), O (Australia), Z (New**

**Zealand), N (None) or U (Unknown). See also: Help: Time**

**Tz database time Timezone in "tz" (Olson) format, eg. "America/Los\_Angeles". zone**

**Air Lines Data set:**

**It contains the following fields:**

**Airline Unique OpenFlights identifier for this airline. ID**

**Name Name of the airline.**

**Alias Alias of the airline. For example, All Nippon Airways is commonly known as "ANA".**

**IATA 2-letter IATA code, if available.**

**ICAO 3-letter ICAO code, if available.**

**Callsign Airline callsign.**

**Country Country or territory where airline is incorporated.**

**Active "Y" if the airline is or has until recently been operational, "N" if it is defunct. This field is not**

**reliable: in particular, major airlines that stopped flying long ago, but have not had their IATA code**

**reassigned (eg. Ansett/AN), will incorrectly show as "Y".**

**Routes Data set i.e routes.dat**

**It contains the following fields**

**Airline 2-letter (IATA) or 3-letter (ICAO) code of the airline.**

**Airline ID Unique OpenFlights identifier for airline (see Airline).**

**Source airport 3-letter (IATA) or 4-letter (ICAO) code of the source airport.**

**Source airport ID Unique OpenFlights identifier for source airport (see Airport)**

**Destination airport 3-letter (IATA) or 4-letter (ICAO) code of the destination airport.**

**Destination airport ID Unique OpenFlights identifier for destination airport (see Airport)**

**Codeshare "Y" if this flight is a codeshare (that is, not operated by Airline, but another carrier),**

**empty otherwise.**

**Stops Number of stops on this flight ("0" for direct)**

**Equipment 3-letter codes for plane type(s) generally used on this flight, separated by spaces**

**Movie Data Analytics**

**Problem Statement**

**A. Find the number of movies released between 1950 and 1960.**

**B. Find the number of movies having rating more than 4.**

**C. Find the movies whose rating are between 3 and 4.**

**D. Find the number of movies with duration more than 2 hours (7200 second).**

**E. Find the list of years and number of movies released each year.**

**F. Find the total number of movies in the dataset.**

**Dataset Description**

**Column1: Movie ID**

**Column2: Movie name**

**Column3: Year of release**

**Column4: Rating of the movie**

**Column5: Movie duration in seconds**

**Youtube Data Analysis**

**Problem Statement**

**A. Find out the top 5 categories with maximum number of videos uploaded.**

**B. Find out the top 10 rated videos.**

**C. Find out the most viewed videos.Dataset Description**

**Column1: Video id of 11 characters.**

**Column2: uploader of the video of string data type.**

**Column3: Interval between day of establishment of Youtube and the date of uploading of the video of**

**integer data type.**

**Column4: Category of the video of String data type.**

**Column5: Length of the video of integer data type.**

**Column6: Number of views for the video of integer data type.**

**Column7: Rating on the video of float data type.**

**Column8: Number of ratings given on the video.**

**Column9: Number of comments on the videos in integer data type.**

**Column10: Related video ids with the uploaded video.**