A Mini-Project in Big Data Analytics on Google Cloud in Hive BE COMPS

TITLE:

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Dataset: world_war_2_aircrafts

Attributes: aircraft_type

aircraft_subtype

aircraft_name

year_in_service

country_of_origin

operators

EXECUTION#

Query#1: To create and describe the table **Commands:**

```
CREATE EXTERNAL TABLE dataset

(aircraft_type VARCHAR(25),

aircraft_subtype VARCHAR(25),

aircraft_name VARCHAR(35),

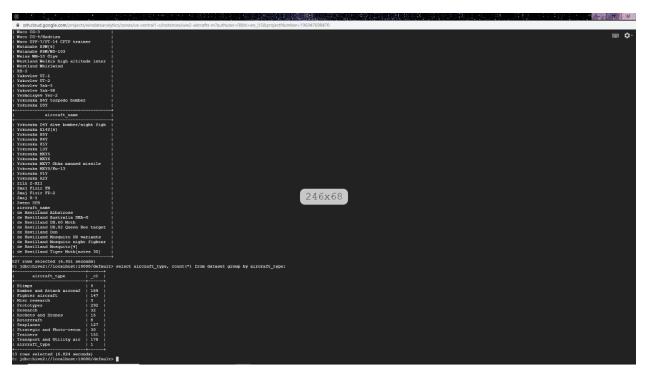
year_in_service BIGINT,

operators VARCHAR(100))
```

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','
LOCATION 'gs://ww2_csv_bucket/';

describe dataset;

Query#2: Display the types of aircrafts along with their count **Command:** select distinct aircraft_type, count(*) from dataset group by aircraft_type;



Query#3: Display the inaugural years for each aircraft types **Command:** select aircraft_type, MIN(year_in_service) as inaugural_year from dataset group by aircraft_type;

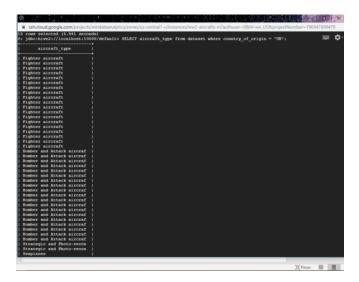


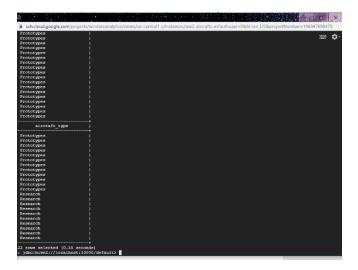
Query#4: Display the final years for each aircraft types

Command: select aircraft_type, MAX(year_in_service) as final_year from dataset group by aircraft_type;



Query#5: Select an attribute with a given condition **Command:** SELECT aircraft_type from dataset where country_of_origin = 'UK';





Query#6: Display the duration of service of each aircraft types

Command: SELECT aircraft_type, (MAX(year_in_service) - MIN(year_in_service)) as Duration_of_Service FROM dataset group by aircraft_type;



Query#6: Order aircrafts by country

Command: SELECT aircraft_type, country_of_origin FROM

dataset ORDER BY country_of_origin;

	s/windstaans/vtics/zones/us-c	entral1-c/instances/ww2-aircrafts-m?authuser=08thl=en. US8tprojectNumber=196947698470
trategic and Photo-recon		
rototypes	USSR	
rototypes	USSR	
lomber and Attack aircraf	USSR	
ransport and Utility air	USSR	
eaplanes	USSR	
lomber and Attack mircraf	USSR	
rototypes	USSR	
rototypes	USSR	
rainers	USSR	
ransport and Utility air	USSR	
rototypes	I USSR	
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rototypes	USSR	
lomber and Attack sircraf	USSR	
rototypes	I USSR	
rototypes	I USSR	
rainers	I USSR	
rototypes	VEF I-16	
rototypes	1 VL Humu	
rototypes	VL Pyörremyrsky	
rototypes	XP-1	
rainers	Yugoslavia	
rototypes	Yugoslavia	
rainers	Yugoslavia	
rainers	Yugoslavia	
leaplanes	Yugoslavia	
rainers	Yugoslavia	
rototypes	Yugoslavia	
rototypes	Yugoslavia	
rototypes	Yugoslavia	
rainers	Yugoslavia	
Seaplanes	Yugoslavia	
Seaplanes	Tugoslavia	
leaplanes	Yugoslavia	
ircraft type	country of origin	
rototypes	de Havilland Vampire	