

**Revolve Solutions SQL Assessment**

Questions-

1. Which manufacturer's planes had most no of flights? And how many flights?

# SELECT p.manufacturer, COUNT(f.flight) AS num\_flights

# FROM planes p

# JOIN flights f ON p.tailnum = f.tailnum

# GROUP BY p.manufacturer

# ORDER BY num\_flights DESC

# LIMIT 1;

1. Which manufacturer's planes had most no of flying hours? And how many hours?

# SELECT p.manufacturer, SUM(CAST(f.hour AS numeric))

# AS total\_flying\_hours

# FROM planes p

# JOIN flights f ON p.tailnum = f.tailnum

# GROUP BY p.manufacturer

# ORDER BY total\_flying\_hours DESC

# LIMIT 1;

1. Which plane flew the most number of hours? And how many hours?

# SELECT p.tailnum, p.model, SUM(CAST(f.hour AS numeric)) AS total\_flying\_hours

# FROM planes p

# JOIN flights f ON p.tailnum = f.tailnum

# GROUP BY p.tailnum, p.model

# ORDER BY total\_flying\_hours DESC

# LIMIT 1;

1. Which destination had most delay in flights?

# SELECT dest, COUNT(\*) AS delay\_count

# FROM flights

# WHERE CAST(arr\_delay AS numeric) > 0 OR CAST(dep\_delay AS numeric) > 0

# GROUP BY dest

# ORDER BY delay\_count DESC

# LIMIT 1;

1. Which manufactures planes had covered most distance? And how much distance?

# SELECT p.manufacturer, SUM(f.distance) AS total\_distance

# FROM planes p

# JOIN flights f ON p.tailnum = f.tailnum

# GROUP BY p.manufacturer

# ORDER BY total\_distance DESC

# LIMIT 1;

1. Which airport had most flights on weekends?

#for weekend 1 is for Sunday and 7 is for Saturday.

# SELECT a."AIRPORT", COUNT(\*) AS weekend\_flight\_count

# FROM airports a

# JOIN flights f ON a."IATA\_CODE" = f.origin

# WHERE f.day IN (1, 7)

# GROUP BY a."AIRPORT"

# ORDER BY weekend\_flight\_count DESC

# LIMIT 1;