with

f1 as

(

select

f.\*

from

dst\_project.flights as f

),

p1 as

(SELECT

a.\*,

count(s.seat\_no) as seats\_total,

count(CASE WHEN s.fare\_conditions = 'Economy' THEN s.fare\_conditions END) AS seats\_economy,

count(CASE WHEN s.fare\_conditions = 'Business' THEN s.fare\_conditions END) AS seats\_business

FROM

dst\_project.aircrafts as a

join dst\_project.seats as s on a.aircraft\_code = s.aircraft\_code

group by

a.aircraft\_code

),

t1 as

(select

distinct tf.flight\_id,

count(tf.ticket\_no) as tickets\_sold,

count(CASE WHEN tf.fare\_conditions = 'Economy' THEN tf.fare\_conditions END) AS tickets\_economy,

count(CASE WHEN tf.fare\_conditions = 'Business' THEN tf.fare\_conditions END) AS ticket\_business,

sum(tf.amount) as tickets\_revenue,

(CASE WHEN tf.fare\_conditions = 'Economy' THEN sum(tf.amount) END) AS economy\_revenue,

(CASE WHEN tf.fare\_conditions = 'Business' THEN sum(tf.amount) END) AS business\_revenue

from

dst\_project.ticket\_flights as tf

group by 1, tf.fare\_conditions)

select

distinct (f1.flight\_id),

f1.flight\_no,

f1.departure\_airport,

f1.arrival\_airport,

f1.aircraft\_code,

f1.actual\_departure,

f1.actual\_arrival,

f1.actual\_arrival-f1.actual\_departure as flight\_duration,

p1.seats\_total,

p1.seats\_business,

p1.seats\_economy,

t1.tickets\_sold,

t1.ticket\_business,

t1.tickets\_economy,

t1.tickets\_revenue,

t1.economy\_revenue,

t1.business\_revenue

from

f1

join p1 on f1.aircraft\_code = p1.aircraft\_code

join t1 on f1.flight\_id = t1.flight\_id

WHERE

f1.departure\_airport = 'AAQ'

AND (date\_trunc('month', f1.scheduled\_departure) in ('2017-01-01','2017-02-01', '2017-12-01'))

AND status not in ('Cancelled')

group by

f1.flight\_id,

f1.flight\_no,

f1.departure\_airport,

f1.arrival\_airport,

f1.aircraft\_code,

f1.actual\_departure,

f1.actual\_arrival,

flight\_duration,

p1.seats\_total,

p1.seats\_business,

p1.seats\_economy,

t1.tickets\_sold,

t1.ticket\_business,

t1.tickets\_economy,

t1.tickets\_revenue,

t1.economy\_revenue,

t1.business\_revenue