CREATE OR REPLACE VIEW Rates AS

SELECT a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR,

SUM(m.AIRTIME) as FH,

SUM(m.DEPARTURES) as TOs

SUM(CASE WHEN fi.STATUS = 'CANCELLED' THEN 1 ELSE 0 END)/COUNT(TO)) \*100 as CNR,

SUM(CASE WHEN fi.STATUS = 'DELAYED' THEN 1 ELSE 0 END)/COUNT(TO) ) \*100 as DYR,

FROM DT\_AIRCRAFT a, DT\_TIME t, DT\_FLIGHTINFO fi, FT\_METRICS M

WHERE m.PK\_FT\_METRICS=a.ID\_AIRCRAFT

AND m.PK\_FT\_METRICS=t.ID\_TIME

AND m.PK\_FT\_METRICS=fi.ID\_FLIGHTINFO

AND FI.AIRCRAFTREGNR = a.AIRCRAFTREGNR

GROUP BY a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR

HAVING COUNT(TO) = 100

ORDER BYa.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR;

CREATE OR REPLACE VIEW AircraftUtilization AS

SELECT a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR,

SUM(st.USABLE)/24 as ADIS,

SUM(st.MAINTENANCEDURATION)/24 as ADOS

FROM DT\_AIRCRAFT a, DT\_TIME t, FT\_SERVICETIME st

WHERE st.PK\_FT\_SERVICETIME=t.ID\_TIME

AND st.PK\_FT\_SERVICETIME=a.ID\_AIRCRAFT

GROUP BY a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR

ORDER BY a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR

CREATE OR REPLACE VIEW Reporting AS

SELECT a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR,

SUM(m.AIRTIME) as FH,

SUM(m.DEPARTURES) as TOs,

(SUM(m.LOGBOOK)/SUM(m.AIRTIME))\*1000 as RRH,

(SUM(m.LOGBOOK)/SUM(m.DEPARTURES)\*100 as RRC,

FROM DT\_AIRCRAFT a, DT\_TIME t, DT\_FLIGHTINFO fI, FT\_METRICS

WHERE m.PK\_FT\_METRICS=a.ID\_AIRCRAFT

AND m.PK\_FT\_METRICS=t.ID\_TIME

AND m.PK\_FT\_METRICS=fi.ID\_FLIGHTINFO

GROUP BY a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR

ORDER BY a.ID\_AIRCRAFT, a.MODEL, a.MANUFACTURER, t.DAY, t.MONTH, t.YEAR