CREATE VIEW VW\_flighHours AS

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year, SUM(m.airTime)/60 as FH

FROM Aircraft a, Time t, Metrics m, FlightInfo fi

WHERE m.ID=a.ID

AND m.ID=t.ID

AND m.ID=fi.ID AND NOT fi.status = ‘cancelled’

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

CREATE VIEW VW\_TO AS

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year, count(\*)as FH

FROM Aircraft a, Time t, Metrics m, FlightInfo fi

WHERE m.ID=a.ID

AND m.ID=t.ID

AND m.ID=fi.ID AND NOT fi.status = ‘cancelled’

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year, sum(usable)/24 as ADIS

FROM Aircraft a, Time t, ServiceTime st

WHERE st.ID=a.ID

AND st.ID=t.ID

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year, sum(miantenanceDuration)/24 as ADOS

FROM Aircraft a, Time t, ServiceTime st

WHERE st.ID=a.ID

AND st.ID=t.ID

AND a.maintenance = ‘scheduled’ AND a.maintenanceDuration = ‘unscheduled’

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year, sum(miantenanceDuration)/24 as ADOSS

FROM Aircraft a, Time t, ServiceTime st

WHERE st.ID=a.ID

AND st.ID=t.ID

AND a.maintenance = ‘scheduled’

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year, sum(miantenanceDuration)/24 as ADOSU

FROM Aircraft a, Time t, ServiceTime st

WHERE st.ID=a.ID

AND st.ID=t.ID

AND a.maintenance = ‘unscheduled’

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

SELECT a.regNr, a.model, a.manufacturer, t.day, t.month, t.year,

sum(case when fi.status = ‘delayed’ THEN 1 ELSE o)/count(\*) \*100) as delayRate, sum (case when fi.status = ‘cancelled’ THEN 1 ELSE o)/count(\*) \*100) as cancellationRate

FROM Aircraft a, Time t, Metrics m, FlightInfo fi

WHERE m.ID=a.ID

AND m.ID=t.ID

AND m.ID=fi.ID

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

SELECT fi.ID, count(\*)/100 as TDR

FROM FlightInfo fi

WHERE fi.status = ‘onTime’

GROUP BY fi.ID

SELECT a.regNr, t.month, AVG(delayDuration) as ADD, count(\*) as departures

From FROM Aircraft a, Time t, Metrics m, FlightInfo fi

WHERE m.ID=a.ID

AND m.ID=t.ID

AND m.ID=fi.ID AND NOT fi.status = ‘cancelled’

HAVING count(\*) = 100

GROUP BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year

ORDER BY a.regNr, a.model, a.manufacturer, t.day, t.month, t.year