

EXAMPLE TASK FORM - ABSTRACT CODE WITH SQL

Task Name: Direct-Flights
Task No.: T1.1
Description: Takes Departure Airport, Arrival Airport and Date
Returns information about all direct flights, if any

Enabling
Condition: Receive an inquiry - Called from Answer-Inquiry
Frequency: 360,000 per day
Input: EDs: Inquiry
Tables: Flt-Schedule, Flt-Weekday

Output: EDs: Inquiry

Operation: Make Inquiry form visible;
Read(Inquiry, :Departure-Airport, :Arrival-Airport, :Date);
:Weekday := Date-Conversion(:Date);
SELECT From-Airportcode, To-Airportcode,
Flt-Schedule.Flt#, Dtime, Atime
FROM Flt-Schedule, Flt-Weekday
WHERE Flt-Schedule.Flt# = Flt-Weekday.Flt#
AND From-Airportcode = :Departure-Airport
AND To-Airportcode = :Arrival-Airport
AND Weekday = :Weekday
ORDER BY Dtime;
If SQL ERROR then goto ERROR-EXIT
For each row in the query result Do
Begin
Store Column values in variables
:From, :To, :Flt#, :Dtime, :Atime;
Print(Inquiry, :From, :To, :Flt#, :Date, :Dtime, :Atime);
End;
Make Inquiry form invisible;
Return to Answer-Inquiry;
ERROR-EXIT:
Print SQL Error and Return to Answer-Inquiry;