

Sarvajani University
Internal Practical Exam
Paper : Advanced Database Management System
04-05-2022 (Div-B)

Total marks: 40

Create a Airlines database system with following tables:

06

1. Aircraft table:

Field	Datatype	Description	Constraints
AcID	Number	Field will store unique number	Primary key
AcName	varchar2	Aircraft name that identifies the plan	Not null
Capacity	Number	No of seats available	Not null

2. Flight_Schedule table:

Field	Datatype	Description	Constraints
ScheduleID	Number	Field will store unique number to identify the flight	Primary key
Flight_date	Date	Date of the flight	Not null
AircraftID	Number	Aircraft number that will fly. A number from aircraft table	Foreign key
FareAmt	Number	To determine fare of flight, an ID from airfare table	
StartFrom	Varchar2	From where the flight will take off	
Destination	Varchar2	Flight Destination	

After creating a table do the following: (For Even-PC-No)

1. Insert proper data as per query requirement (minimum 3-rows in each table). 04
2. Write a procedure that displays those scheduled flights whose flight_date is between october and november month. Also increase the fare to 10% whose flight date is between October and November. 20
3. Generate the exception if there is no flight between the months of October and November and display the proper message. 10

Expected output:

Flight between month of October and November are:

Schedule_id, Flight_date, AircraftID StartFrom.

101	05-10-2022	99	Surat
102	23-11-2022	88	Mumbai
105	12-10-2022	99	Delhi
106	09-11-2022	88	Ahmedabad

After 10% Increase in fare output:

Schedule_id Flight_date FareAmt

101	05-10-2022	10000
102	23-11-2022	20000
105	12-10-2022	45000
106	09-11-2022	5600

Expected output if no flight schedule between given months:

Display proper message : Sorry no flight schedule between your given months.

After creating a table do the following: _____ (For ODD-PC-No)

1. Insert proper data as per query requirement (minimum 3-rows in each table). 04
2. Write a function that displays the number of flight schedule fare is more than 20000. Also display data from flight_schedule table (can use cursor) 10
3. Generate an exception If there is no such flight then throw the error "no_data_found" and show the appropriate message. 10
4. Create a trigger that fires before updating the data of fare in the flight_schedule table with a proper message. 10

Expected output:

Flight between month of October and November are:

4.

Display data from flight_schedule table.

Expected output if no flight schedule between given months:

Display proper message : Sorry no flight schedule with fare more than 20000.

Trigger output:

Trigger Message: "Fare updated initiated on flight_schedule table".