

DBMS
MID LAB Exam

(SET-I)

Part I:

The following relations keep track of airline flight information:

Flights(flno,from,to,distance,departs,arrives,price)

Aircraft(aid,aname,cruising-range)

Certified(eid,aid)

Employees(eid,ename,salary)

1. Find the names of aircraft such that all pilots certified to operate them have salaries more than \$80,000.
2. For each pilot who is certified for more than three aircraft, find the eid and the maximum Cruising-range of the aircraft for which she or he is certified.
3. Find the names of pilots whose salary is less than the price of the cheapest route from Los Angeles to Honolulu.
4. For all aircraft with Cruising range over 1000 miles, find the name of the aircraft and the average salary of all pilots certified for this aircraft.
5. Find the names of pilots certified for some Boeing aircraft.
6. Find the aids of all aircraft that can be used on routes from Los Angeles to Chicago.
7. Identify the routes that can be piloted by every pilot who makes more than \$100,000.
8. Print the enames of pilots who can operate planes with Cruising-range greater than 3000 miles but are not certified on any Boeing aircraft.
9. A customer wants to travel from Madison to New York with no more than two changes of flight. List the choice of departure times from Madison if the customer wantstoarriveinNewYorkby6p.m

PART-2(Pl/sql)

1. Create a employee table(emp_no, emp_name, salary, Age). Create a pl/sql block where you will print the emp_name, and new_salary, Age for all the employee, new salary will be calculated from a procedure called new_sal which will calculate the new salary by adding 100 to the current salary.
2. Create a pl/sql block to inside it create a new table called copy_table and copy the complete data of employee table inside this table.