

INLS 623 – Exercise 2

Ramakrishnan Chapter 5, Exercise 5.3 [1-3] (Page 175)

The following relations keep track of airline flight information:

Flights(*flno*: integer, *from*: string, *to*: string, *distance*: integer, *departs*: time, *arrives*: time, *price*: integer)

Aircraft(*aid*: integer, *aname*: string, *cruisingrange*: integer)

Certified(*eid*: integer, *aid*: integer)

Employees(*eid*: integer, *ename*: string, *salary*: integer)

1. Find the names of aircraft such that all pilots certified to operate them earn more than 80,000.
2. For each pilot who is certified for more than three aircraft, find the *eid* and the maximum *cruisingrange* of the aircraft that he or she is certified for.
3. Find the names of pilots whose *salary* is less than the price of the cheapest route from Los Angeles to Honolulu.