



CS 312
Algorithm Design
Homework 6
Divide and Conquer
Due: April 3, 8:35 AM

1. Do Chapter 5, Problem 1.
2. Do Chapter 5, Problem 2.
3. Do Chapter 5, Problem 3.

Extra credit: Write a program in the language of your choice to solve problem 3. I will provide an implementation of the BankCard class written in Java and another written in C++. **You may not modify the BankCard class in your solution.** (In addition to getting extra credit, you will probably find this helpful if you are uncertain if the algorithm you give in question 3 is correct.)