

## **Kerry Ojakian's CSI 33 Class**

### **Class Assignment #1**

Choose one person in the group, and put the group's final work in a folder Class01. Someone in the group should send an email to me (at [ojakianteaching@gmail.com](mailto:ojakianteaching@gmail.com)) indicating two things: 1) The first and last names of each group member, and 2) Whose Dropbox to look in.

### **The Assignment**

First, create a class called "Card" which models a playing card. It is constructed with two input parameters: Its "rank" (i.e. 1, 2, ..., 13) and "suit" (i.e. 'c' or 's' or 'h' or 'd'). It has methods to get the rank and suit. It overrides "print" in order to print the value nicely - example: "12 of Clubs" if its rank is 12 and suit is 'c' (the other suits are: s = Spades, h = Hearts, d = Diamonds).

Second, create a class called "Hand" which models a hand of cards (i.e. some set of playing cards a player might have in their hand). Write the following methods: add (for adding a card to a hand); remove (for removing a card from a hand); total (find the total sum of the ranks).