

Instructions:

Please complete each of the problems listed below and return your solutions to me within 48 hours. You may use any language of your choice, but please provide the raw source code and not a compiled executable. We will compile your code on a test machine to ensure it runs properly on our operating system. Keep in mind that we care as much about your coding style and construction as we do about solving the given problem.

Problem 1: Roman Numeral to Decimal Converter

Write a program that takes Roman Numerals as input, and converts the number given to a decimal number. There are seven, valid Roman numerals which may be provided as input, I, V, X, L, C, D, and M. Your program should accept a single parameter, which is the full path of standard text file providing the input. You should write the results to standard out.

Example input:
MMXII

Example output:
2012

Problem 2: Poker Hand Score Calculator

Write a program that calculates the score for a hand of Poker. A hand will always consist of five cards. Cards will be designated as their face value followed by their suit, such as 8D for 8 of Diamonds. Valid values are the standard integer 2-10 as well as Jack(J), Queen(Q), King(K), and Ace(A). Valid suits are Diamonds(D), Hearts(H), Clubs(C), and Spades(S). Your program should accept a single parameter, which is the full path of standard text file providing the input. You should write the results to standard out.

Example input:
5H AS 5C 4D AC

Example output:
Two Pair

Follow the scoring guide as presented here: http://en.wikipedia.org/wiki/Hand_rankings