Assignment 1, Question 2

Complete the program named poker_dice.py that simulates the roll of 5 dice, at most three times, as described at

http://en.wikipedia.org/wiki/Poker_dice as well as a given number of rolls of the 5 dice to evaluate the probabilities of the various hands.

The following observations are in order.

- Your program has to define the functions play() and simulate(), but of course it will likely include other functions.

- The hands are displayed in the order Ace, King, Queen, Jack, 10 and 9.

- All dice can be kept by inputting either all, or All, or the current hand in any order.

- No die is kept by inputting nothing.

- We have control over what is randomly generated by using the seed() function at the prompt, but do not make use of seed() in the program.

- To roll a die, we use randint(0, 5) with 0, 1, 2, 3, 4 and 5 corresponding to Ace, King, Queen, Jack, 10 and 9, respectively.