Problem of the Week #1

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Card Game

Alice and Bob are playing a Game of cards. Alice draws a card randomly from a deck of 13 cards

numbers 1-13. Bob also draws a card randomly from another deck. A player wins by having a card

greater than the other, otherwise, a draw would occur.

Easy Using the random package in Python, design a program that has two variables, alice

and bob correspond to two random numbers. The program would determine the winner and

their card number, otherwise, a tie is announced.

(hint) The greater or equal operator is >= in Python.

Intermediate Carol joins in the game and draws a card. Can you determine the winner and

their card number, or if there is a tie?

(hint) The function max() and min() will return the highest and lowest number in a list of

arguments.

Advanced Can you also write the ranking of the 3 players? If a tie happens, take the higher

of the 2 ranks (e.g. if the card result is 5 2 5, the ranking would be 1 3 1

Note If you are interested in Python, go visit this website to learn at an accelerated pace!!

https://www.learnpython.org/en/

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