**Introduction to Programming EE2310 Homework 7-2**

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**Problem**

* Complete the whole royal casino game.
* Use STL vectors to improve the data structure.

**Solution, Program Flow & Structure**

**Main Function**

* To call the shuffle, deal and the play function.
* To give the rest of the cards to the last winner.
* To call the calculate function.

**Calc Function**

* To count the cards one by one and summarize the score to the class.

**Shuffle Functions**

* Generate two random numbers as the switching target.

Here we set A and B

* Assign card A to a buffer. \* >500 times.
* Assign card B to card A. Switch card A and B.
* Assign buffer to card B.

**Game Cards Dealing Function**

* Use Deal to save the first card to the p1 array. \* 2 times
* Use Deal to save the first card to the p2 array. \* 2 times \* 2 times.
* Use Deal to save the first card to the table array. \* 2 times