

How to play POOCasino:

0. Compile my source java code through "make" command
1. Use **java POOCasino** to start game.
2. Enter the bet and the system will deal five sorted card to your hand.
3. Decide which cards you would like to keep.
4. The system discard the cards you don't want ,
5. The system distributes new cards to fill up your hand.
6. then you will get payoff by system according to your new hand.
7. next round or quit.

How do I test the correctness of POOCasino:

Some of the hand cases have a extremely low probability to appear, thus I create test hand vectors for each case, and find the result is correct. I also play it many thousands of time to check there's no mistake when judging hands and payoff.

The output of three rounds:

```
POOCasino Jacks or better, written by b02902096 OOP is OP.
Please enter your name: Brian
Welcome, Brian
You have 1000 P-dollar now.
Please enter your P-dollar bet for round 1 (1-5 or 0 for quitting the game):10
Please enter a valid bet.
Please enter your P-dollar bet for round 1 (1-5 or 0 for quitting the game):5
(a) S1 (b) C3 (c) H6 (d) H8 (e) D11
Which cards do you want to keep?a
Okay. I will discard
(b) C3 (c) H6 (d) H8 (e) D11
Your new cards are S1 C2 S3 C11 H13.
You have 995 P-dollar now.
Please enter your P-dollar bet for round 2 (1-5 or 0 for quitting the game):5
(a) D2 (b) H3 (c) D4 (d) C9 (e) S11
Which cards do you want to keep?abc
Okay. I will discard
(d) C9 (e) S11
Your new cards are D2 H3 D4 C10 D13.
You have 990 P-dollar now.
Please enter your P-dollar bet for round 3 (1-5 or 0 for quitting the game):5
(a) C1 (b) S1 (c) H3 (d) C9 (e) D9
Which cards do you want to keep?abcde
Okay. I will discard

Your new cards are C1 S1 H3 C9 D9.
You get a two pair hand. The payoff is 10
You have 995 P-dollar now.
```

Structure:

I added Judge.class in addition to the classes mentioned in spec, which will take the responsibility to judge the final hand of player, decide what's its payoff.

I think it can simplify the code in Computer.class also make this function more "objective".

Bonus:**In purpose to avoid illegal player input:**

If a player entered a non-integer or integer beyond 0~6 bet, the System will ask player to enter a valid bet again. Also while discarding cards, if a player enters characters beyond 'a' to 'e', those chars will be ignored, and if any character was entered more than once, there's no difference to entering once.