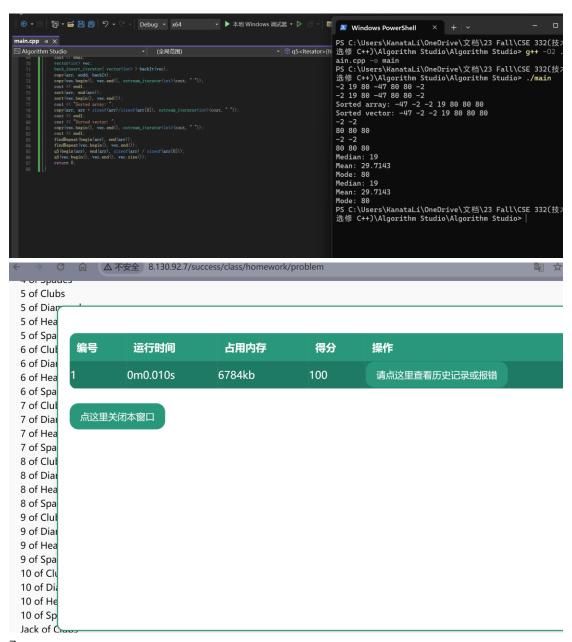
```
PS C:\Users\KanataLi\OneDrive\文档\23 Fall\CSE 332(技术 选修 C++)\Algorithm Studio\dlgorithm Studio\graphy change continue co
```

2.

3.

4.

5.



7.

```
38 bool checkAceLowStraight(const vector<int>& sortedRanks) {
39     return sortedRanks[0] == static_cast<int>(Rank::TWO) &&
40     sortedRanks[1] == static_cast<int>(Rank::THREE) &&
41     sortedRanks[2] == static_cast<int>(Rank::FOUR) &&
42     sortedRanks[3] == static_cast<int>(Rank::FIVE) &&
43     sortedRanks.back() == static_cast<int>(Rank::ACE);
45 vector<Card> drawHand(vector<Card>& deck) {
           shuffle(deck.begin(), deck.end(), default_random_engine(random_device{}()));
           return hand;
51 string evaluateHand(const vector<Card>& hand) {
           map<Rank, int> rankFrequency;
           map<Suit, int> suitFrequency;
for (const auto& card : hand) {
                 rankFrequency[card.rank]++;
                  suitFrequency[card.suit]++;
           for (const auto& p : rankFrequency) {
           sort(sortedRanks.begin(), sortedRanks.end());
           for (size t i = 1; i < sortedRanks.size() && isStraight; ++i) {</pre>
                  if (sortedRanks[i] != sortedRanks[i - 1] + 1) {
   isStraight = false;
           int pairs = 0, threeOfAKind = 0, fourOfAKind = 0;
          for (const auto& p : rankFrequency) {
   if (p.second == 2) pairs++;
   if (p.second == 3) threeOfAKind++;
   if (p.second == 4) fourOfAKind++;
           if (isStraight && isFlush) return "Straight Flush";
          if (isStraight && isFlush) return "Straight Flusif (fourOfAKind) return "Four of a Kind";
if (threeOfAKind && pairs) return "Full House";
if (isFlush) return "Flush";
if (isStraight) return "Straight";
if (threeOfAKind) return "Three of a Kind";
if (pairs) return "Two Pair";
if (pairs) return "One Pair";
return "High Card";
                     cout << "Pair " << i << endl;
                     vector<Card> now = drawHand(deck);
                     sort(now.begin(), now.end());
                     for(const auto& card : now) {
                            cout << card << endl;</pre>
                     cout << "is " << evaluateHand(now) << endl;</pre>
```