

---

## Simple card game

X37806\_en

---

Using the `@Card@`, `@Deck@`, and `@Hand@` class definitions, write a `@Player@` class, a `@Game@` class, and a program to play a simple card game with any number of players.

In this simple card game, each of the players draws a card from a shuffled deck. Whoever has the highest card wins. Cards are compared first by suit, then by rank. Spades beat Hearts, which beat Diamonds, which in turn beat Clubs. Within a same suit, King beat Queen, which in turn beat Jack, which beat 10 down through 2, which beat Ace.

### Input

The input consist of a positive integer `@n@`, the number of players, followed by a shuffled deck of cards.

### Output

For each player, print the card drawn by the player, followed by the winner of the game.

### Precondition

The number of cards in the shuffled deck is not less than the number of players.

#### Sample input 1

```
5
8 of Clubs
7 of Diamonds
8 of Hearts
Jack of Clubs
Queen of Diamonds
6 of Clubs
2 of Diamonds
King of Spades
8 of Spades
Jack of Diamonds
```

#### Sample input 2

```
1
8 of Clubs
7 of Diamonds
8 of Hearts
Jack of Clubs
Queen of Diamonds
6 of Clubs
2 of Diamonds
King of Spades
8 of Spades
Jack of Diamonds
```

#### Sample output 1

```
Player 1 draws Jack of Diamonds
Player 2 draws 8 of Spades
Player 3 draws King of Spades
Player 4 draws 2 of Diamonds
Player 5 draws 6 of Clubs
Player 3 wins with King of Spades
```

#### Sample output 2

```
Player 1 draws Jack of Diamonds
Player 1 wins with Jack of Diamonds
```

### Sample input 3

```
0
8 of Clubs
7 of Diamonds
8 of Hearts
Jack of Clubs
Queen of Diamonds
6 of Clubs
2 of Diamonds
King of Spades
8 of Spades
Jack of Diamonds
```

### Sample output 3

```
None wins with None
```

### Problem information

Author: Gabriel Valiente

Generation: 2026-01-25T15:31:14.465Z

© *Jutge.org*, 2006–2026.

<https://jutge.org>