

Guides to this game

How to start the game?

Execute the freecell.py with the following command:

```
python freecell.py
```

Then the shell should show the game board and the command menu:

```
=====Cells=====  =====Foundations=====
--1---2---3---4--  --1---2---3---4--
[ ][ ][ ][ ] [ ][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
 7c  Kc  7h  Ah  5c  9c  8s  7d
5s  8h  6h  10d  4d  Qh  3c  5h
Jc  2h  Qs  3d  Js  As  6s  Kh
7s  6d  3h  4s  5d  Jh  3s  10s
Qc  9h  8d  Ks  4h  6c  9s  2c
Ac  9d  Kd  Ad  10c  2d  2s  10h
Jd  Qd  4c  8c

=====
Commands:
TC x y    Move card from tableau x to cell y
TF x y    Move card from tableau x to foundation y
TT x y    Move card from tableau x to tableau y
CF x y    Move card from cell x to foundation y
CT x y    Move card from cell x to tableau y
H         Display the commands
Q         Quit
=====

Please input the command:
```

How to play?

Display the command

Enter the choice or , then the program will show the Command menu.

Please input the command: h

```
=====
Commands:
  TC x y    Move card from tableau x to cell y
  TF x y    Move card from tableau x to foundation y
  TT x y    Move card from tableau x to tableau y
  CF x y    Move card from cell x to foundation y
  CT x y    Move card from cell x to tableau y
  H         Display the commands
  Q         Quit
=====
```

At first, the game board show as below:

```
=====Cells=====  =====Foundations=====
--1---2---3---4--  --1---2---3---4--
[  ][  ][  ][  ] [  ][  ][  ][  ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
 7c   Kc   7h   Ah   5c   9c   8s   7d
5s   8h   6h   10d  4d   Qh   3c   5h
Jc   2h   Qs   3d   Js   As   6s   Kh
7s   6d   3h   4s   5d   Jh   3s   10s
Qc   9h   8d   Ks   4h   6c   9s   2c
Ac   9d   Kd   Ad   10c  2d   2s   10h
Jd   Qd   4c   8c
```

Move card from cell to foundation

Move card from tableau 1 to cell 1:

```
Please input the command: tc 1 1
=====Cells=====  =====Foundations=====
--1---2---3---4--  --1---2---3---4--
[ Jd][  ][  ][  ] [  ][  ][  ][  ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
 7c   Kc   7h   Ah   5c   9c   8s   7d
5s   8h   6h   10d  4d   Qh   3c   5h
Jc   2h   Qs   3d   Js   As   6s   Kh
7s   6d   3h   4s   5d   Jh   3s   10s
Qc   9h   8d   Ks   4h   6c   9s   2c
Ac   9d   Kd   Ad   10c  2d   2s   10h
  Qd   4c   8c
```

Move card from tableau to cell

Move the card from cell 1 to foundation 1, this movement is invalid, because there is no Ace card in foundation 1

```

Please input the command: cf 1 1
Invalid move: Source card is not an Ace
=====Cells=====  ===Foundations=====
--1---2---3---4--  --1---2---3---4--
[ Jd][ ][ ][ ] [ ][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
7c  Kc  7h  Ah  5c  9c  8s  7d
5s  8h  6h  10d 4d  Qh  3c  5h
Jc  2h  Qs  3d  Js  As  6s  Kh
7s  6d  3h  4s  5d  Jh  3s  10s
Qc  9h  8d  Ks  4h  6c  9s  2c
Ac  9d  Kd  Ad  10c 2d  2s  10h
    Qd  4c  8c

```

Move card from tableau to foundation

Move the card from tableau 1 to foundation 1:

```

Please input the command: tf 1 1
=====Cells=====  ===Foundations=====
--1---2---3---4--  --1---2---3---4--
[ Jd][ ][ ][ ] [ Ac][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
7c  Kc  7h  Ah  5c  9c  8s  7d
5s  8h  6h  10d 4d  Qh  3c  5h
Jc  2h  Qs  3d  Js  As  6s  Kh
7s  6d  3h  4s  5d  Jh  3s  10s
Qc  9h  8d  Ks  4h  6c  9s  2c
    9d  Kd  Ad  10c 2d  2s  10h
    Qd  4c  8c

```

Move card from tableau to foundation 1, this is a invalid move.

```

Please input the command: tf 4 1
Invalid command because of source card and destination card are not matching
=====Cells=====  ===Foundations=====
--1---2---3---4--  --1---2---3---4--
[ Jd][ ][ ][ ] [ Ac][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
7c  Kc  7h  Ah  5c  9c  8s  7d
5s  8h  6h  10d 4d  Qh  3c  5h
Jc  2h  Qs  3d  Js  As  6s  Kh
7s  6d  3h  4s  5d  Jh  3s  10s
Qc  9h  8d  Ks  4h  6c  9s  2c
    9d  Kd  Ad  10c 2d  2s  10h
    Qd  4c  8c
Please input the command:

```

Move card from tableau to foundation 1, it's a invalid move

Invalid command because of source card and destination card are not matching

```
=====Cells=====  =====Foundations=====
--1---2---3---4--  --1---2---3---4--
[ Jd][ ][ ][ ] [ Ac][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
  7c   Kc   7h   Ah   5c   9c   8s   7d
  5s   8h   6h  10d   4d   Qh   3c   5h
  Jc   2h   Qs   3d   Js   As   6s   Kh
  7s   6d   3h   4s   5d   Jh   3s  10s
  Qc   9h   8d   Ks   4h   6c   9s   2c
      9d   Kd   Ad  10c   2d   2s  10h
      Qd   4c   8c
```

Please input the command:

Move card from tableau to tableau Move card Qd from tableau 2 to tableau 1, it's a invalid move

Please input the command: tt 2 1

Invalid move: Wrong face

```
=====Cells=====  =====Foundations=====
--1---2---3---4--  --1---2---3---4--
[ Jd][ ][ ][ ] [ Ac][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
  7c   Kc   7h   Ah   5c   9c   8s   7d
  5s   8h   6h  10d   4d   Qh   3c   5h
  Jc   2h   Qs   3d   Js   As   6s   Kh
  7s   6d   3h   4s   5d   Jh   3s  10s
  Qc   9h   8d   Ks   4h   6c   9s   2c
      9d   Kd   Ad  10c   2d   2s  10h
      Qd   4c   8c
```

Please input the command:

Move card from cell to tableau

Move card from cell 1 to tableau 2, It's valid

```
=====Cells=====  =====Foundations=====
--1---2---3---4--  --1---2---3---4--
[ ][ ][ ][ ] [ Ac][ ][ ][ ]
=====tableaus=====
--1---2---3---4---5---6---7---8---
  7c   Kc   7h   Ah   5c   9c   8s   7d
  5s   8h   6h  10d   4d   Qh   3c   5h
  Jc   2h   Qs   3d   Js   As   6s   Kh
  7s   6d   3h   4s   5d   Jh   3s  10s
  Qc   9h   8d   Ks   4h   6c   9s   2c
  Jd   9d   Kd   Ad  10c   2d   2s  10h
      Qd   4c   8c
```

Please input the command:

Quit

Input or , then the game will exit

```
=====Cells=====  =====Foundations=====
---1---2---3---4--  --1---2---3---4--
[  ][  ][  ][  ] [ Ac][  ][  ][  ]
=====tableaus=====
---1---2---3---4---5---6---7---8---
  7c   Kc   7h   Ah   5c   9c   8s   7d
  5s   8h   6h  10d   4d   Qh   3c   5h
  Jc   2h   Qs   3d   Js   As   6s   Kh
  7s   6d   3h   4s   5d   Jh   3s  10s
  Qc   9h   8d   Ks   4h   6c   9s   2c
  Jd   9d   Kd   Ad  10c   2d   2s  10h
    Qd   4c   8c
```

Please input the command: q