

DiceGame

Stage 1

要求:

- 一个玩家, 掷骰子两次, 和为 7 则获胜, 否则失败。
- 要求控制台介绍游戏规则, 并提示操作方式, 如Please input your command('s' to start, 'r' to roll the dice ,'q' to quit)。
- 要求打印每次操作后的提示、每次掷骰子的结果, 和玩家的胜负

运行结果:

- 输入 s, 开始游戏, 打印: Let's start playing games!
- 输入 r, 扔骰子。扔一次打印点数, 扔两次打印点数和输赢结果。
- 输入q, 直接结束游戏, 打印: BYE-BYE!

```
Let's start playing games!
Please input your command('s' to start, 'r' to roll the dice ,'q' to quit)
s
Let's start playing games!
Please input your command('s' to start, 'r' to roll the dice ,'q' to quit)
r
Dice is rolling...
The first dice rolling result is 4
Please input your command('s' to start, 'r' to roll the dice ,'q' to quit)
r
Dice is rolling...
The second dice rolling result is 4
The final result is 8
Sorry, you have lost this game this time. Why not again?
Please input your command('s' to start, 'r' to roll the dice ,'q' to quit)
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```
Please input your command('s' to start, 'r' to roll the dice , 'q' to quit)
r
Dice is rolling...
The first dice rolling result is 5
Please input your command('s' to start, 'r' to roll the dice , 'q' to quit)
r
Dice is rolling...
The second dice rolling result is 2
The final result is 7
Congratulations!!! You have WON this game!
Please input your command('s' to start, 'r' to roll the dice , 'q' to quit)
```

```
Please input your command('s' to start, 'r' to roll the dice , 'q' to quit)
q
BYE-BYE!
```

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C:\Users\64451\Desktop\00TPJ\DiceGame\Debug\DiceGame.exe (进程 38704) 已退出，代码为 0。
要在调试停止时自动关闭控制台，请启用“工具”->“选项”->“调试”->“调试停止时自动关闭控制台”。
按任意键关闭此窗口。 . . .
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构造设计

- 类
 - **CDiceGame**
 - members:
 1. a list of players
 - methods:
 1. startGame
 - **Player**
 - members:
 1. dices: player may have dices
 2. isFinished, isWon: indicating game results
 3. m_turn_round: current No. of turns
 4. m_curCommand: current command
 - methods:
 1. playGame: public interface
 - **Dice**
 - members:
 1. upVal: the number facing upwards
 - methods:

1. rollDice
2. showVal