

game-project-python

Use the "Run" button to execute the code.

```
!pip install jovian --upgrade --quiet
```

```
import jovian
```

```
# Execute this to save new versions of the notebook  
jovian.commit(project="game-project-python")
```

```
import random
```

```
total_cards = 10  
class Players:  
  
    def __init__(self, name):  
        self.name = name  
        self.points = 0  
        self.cards = list(range(1, total_cards+1, 1))  
        random.shuffle(self.cards)  
  
    def card_pick(self):  
        picked_card = self.cards[0]  
        self.cards.remove(picked_card)  
        print(f"{self.name} card is {picked_card}")  
        return picked_card  
  
    def add_point(self):  
        self.points += 1  
        print(f"A point is added to {self.name}")  
  
    def game_over(self):  
        return len(self.cards) == 0  
  
p1 = Players(name = "Player 1")  
p2 = Players(name = "Player 2")
```

```
while True:  
    input("press enter to start the game")  
    p1_card = p1.card_pick()  
    p2_card = p2.card_pick()  
  
    if p1_card > p2_card:  
        p1.add_point()
```

```

elif p2_card > p1_card:
    p2.add_point()

else:
    print("Tie!")

if p1.game_over() or p2.game_over():

    print("Game Over")
    if p1.points > p2.points:
        print(f"{p1.name} wins")
    elif p2.points > p1.points:
        print(f"{p2.name} wins")
    else:
        print(" tie")
    print(f"final score:{p1.points} - {p2.points}")
    break

print(f"score {p1.points} - {p2.points}")

```

press enter to start the game

Player 1 card is 7

Player 2 card is 5

A point is added to Player 1

score 1 - 0

press enter to start the game

Player 1 card is 10

Player 2 card is 3

A point is added to Player 1

score 2 - 0

press enter to start the game

Player 1 card is 3

Player 2 card is 10

A point is added to Player 2

score 2 - 1

press enter to start the game

Player 1 card is 9

Player 2 card is 1

A point is added to Player 1

score 3 - 1

press enter to start the game

Player 1 card is 4

Player 2 card is 6

A point is added to Player 2
score 3 - 2
press enter to start the game
Player 1 card is 5
Player 2 card is 9
A point is added to Player 2
score 3 - 3
press enter to start the game
Player 1 card is 2
Player 2 card is 2
Tie!
score 3 - 3
press enter to start the game
Player 1 card is 8
Player 2 card is 4
A point is added to Player 1
score 4 - 3
press enter to start the game
Player 1 card is 6
Player 2 card is 7
A point is added to Player 2
score 4 - 4
press enter to start the game
Player 1 card is 1
Player 2 card is 8
A point is added to Player 2
Game Over
Player 2 wins
final score:4 - 5

