

객체지향 프로그래밍 실습 2주차

학번 : 201721083

이름 : 김태석

```
PLAYER1's NAME : TaeSeok
PLAYER2's NAME : DaHee
PLAYER1's BALANCE : 5000.0
PLAYER2's BALANCE : 3000.0
Enter the bet money
30
TaeSeok : Spade of Jack, DaHee : Club of 10--->TaeSeok won 30
TaeSeok : Heart of 4, DaHee : Spade of 5--->DaHee won 30
TaeSeok : Spade of 7, DaHee : Spade of Queen--->DaHee won 30
TaeSeok : Club of 8, DaHee : Club of 9--->DaHee won 30
TaeSeok : Diamond of 10, DaHee : Heart of 6--->TaeSeok won 30
TaeSeok : Diamond of 4, DaHee : Heart of King--->DaHee won 30
TaeSeok : Heart of Jack, DaHee : Spade of 10--->TaeSeok won 30
TaeSeok : Heart of 3, DaHee : Club of King--->DaHee won 30
TaeSeok : Spade of 3, DaHee : Diamond of 3--->TaeSeok won 30
TaeSeok : Club of 3, DaHee : Diamond of 9--->DaHee won 30
TaeSeok : Heart of 7, DaHee : Club of Ace--->DaHee won 30
TaeSeok : Diamond of King, DaHee : Heart of Queen--->TaeSeok won 30
TaeSeok : Heart of 5, DaHee : Club of 2--->TaeSeok won 30
TaeSeok : Diamond of 7, DaHee : Diamond of 2--->TaeSeok won 30
TaeSeok : Diamond of Jack, DaHee : Diamond of 5--->TaeSeok won 30
TaeSeok : Diamond of 6, DaHee : Heart of 9--->DaHee won 30
TaeSeok : Diamond of 8, DaHee : Heart of Ace--->DaHee won 30
TaeSeok : Club of 7, DaHee : Club of Jack--->DaHee won 30
TaeSeok : Heart of 8, DaHee : Spade of 6--->TaeSeok won 30
TaeSeok : Diamond of Ace, DaHee : Club of 6--->TaeSeok won 30
TaeSeok : Spade of Ace, DaHee : Spade of 4--->TaeSeok won 30
TaeSeok : Club of 5, DaHee : Spade of 2--->TaeSeok won 30
TaeSeok : Spade of 8, DaHee : Club of 4--->TaeSeok won 30
TaeSeok : Diamond of Queen, DaHee : Club of Queen--->TaeSeok won 30
TaeSeok : Heart of 10, DaHee : Spade of 9--->TaeSeok won 30
TaeSeok : Spade of King, DaHee : Heart of 2--->TaeSeok won 30
TaeSeok's balance : 5180.0, DaHee's balance : 2820.0
So winner is TaeSeok
Enter the bet money
300
```

실행화면1.

- 지난 1주차 과제에서는 이름과 보유금액을 시작 시 입력 받았지만, 이번에는 처음부터 이름과 보유금액을 정해 놓고 시작하였다.
- 하지만 카드를 모두 소진했을 때 배팅 금액은 변경이 가능하도록 매 첫 게임 시작 시 입력 받을 수 있도록 해 놓았다.

```

Enter the bet money
300
TaeSeok : Diamond of Queen, DaHee : Diamond of 2--->TaeSeok won 300
TaeSeok : Club of 3, DaHee : Spade of 8--->DaHee won 300
TaeSeok : Diamond of 7, DaHee : Spade of Queen--->DaHee won 300
TaeSeok : Club of 8, DaHee : Spade of Jack--->DaHee won 300
TaeSeok : Spade of 2, DaHee : Heart of 6--->DaHee won 300
TaeSeok : Club of 9, DaHee : Spade of 7--->TaeSeok won 300
TaeSeok : Diamond of 3, DaHee : Spade of 3--->DaHee won 300
TaeSeok : Spade of 4, DaHee : Heart of Ace--->DaHee won 300
TaeSeok : Diamond of 4, DaHee : Club of 2--->TaeSeok won 300
TaeSeok : Diamond of 10, DaHee : Diamond of 8--->TaeSeok won 300
TaeSeok : Club of 10, DaHee : Heart of 8--->TaeSeok won 300
TaeSeok : Heart of 5, DaHee : Spade of Ace--->DaHee won 300
TaeSeok : Heart of 7, DaHee : Heart of Jack--->DaHee won 300
TaeSeok : Diamond of Ace, DaHee : Club of Jack--->TaeSeok won 300
TaeSeok : Club of Ace, DaHee : Club of 5--->TaeSeok won 300
TaeSeok : Club of Queen, DaHee : Heart of 9--->TaeSeok won 300
TaeSeok : Diamond of Jack, DaHee : Spade of 5--->TaeSeok won 300
TaeSeok : Club of 7, DaHee : Spade of 9--->DaHee won 300
TaeSeok : Diamond of 5, DaHee : Heart of 2--->TaeSeok won 300
TaeSeok : Spade of 6, DaHee : Heart of King--->DaHee won 300
TaeSeok : Heart of Queen, DaHee : Diamond of King--->DaHee won 300
TaeSeok : Club of 6, DaHee : Heart of 4--->TaeSeok won 300
TaeSeok : Spade of 10, DaHee : Diamond of 9--->TaeSeok won 300
TaeSeok : Heart of 10, DaHee : Club of King--->DaHee won 300
TaeSeok : Heart of 3, DaHee : Diamond of 6--->DaHee won 300
TaeSeok : Spade of King, DaHee : Club of 4--->TaeSeok won 300
TaeSeok's balance : 5180.0, DaHee's balance : 2820.0
So winner is TaeSeok
Enter the bet money
1000

```

실행화면2.

- 게임이 끝날 때 배팅 금액을 변경하면서 서로 이기고 지는 모습을 확인할 수 있다.
- 배팅 금액을 적게 할수록 서로 겨루는 횟수가 많아지기에 나중에는 배팅 금액을 올렸다.

```
Enter the bet money
1000
TaeSeok : Spade of 3, DaHee : Spade of 5--->DaHee won 1000
TaeSeok : Club of 3, DaHee : Heart of 5--->DaHee won 1000
TaeSeok : Diamond of 7, DaHee : Spade of Queen--->DaHee won 1000
TaeSeok : Club of 8, DaHee : Club of Queen--->DaHee won 1000
TaeSeok : Diamond of Ace, DaHee : Club of 9--->TaeSeok won 1000
TaeSeok : Heart of 6, DaHee : Club of 10--->DaHee won 1000
TaeSeok : Heart of 10, DaHee : Diamond of Queen--->DaHee won 1000
TaeSeok's balance : 180.0, DaHee's balance : 7820.0
So winner is DaHee
```

실행화면3.

- 베팅 금액을 1000으로 올려 실행 횟수를 줄였더니 카드가 소진되기 전 TaeSeok의 보유 금액이 베팅 금액보다 적어 게임을 종료한 후 승자가 결정되었다.

설계 수정사항 및 구현 애로 사항

- C언어에서와는 다르게 java에서는 포인터가 없는 대신 객체 배열 구성 시 각 칸마다 객체를 넣어줘야 된다는 개념이 처음에는 너무 어려웠다.
때문에 플레이어 및 카드 텍 배열을 만들었을 때 레퍼런스 선언을 안해주어서 오류가 났는데 이걸 해결하는게 힘들었다.
- 또한 기본 문법들이 c언어 에서와는 달라서 습관적으로 혼용해서 쓴 경우가 있어 수정을 여러 번 했다.