

```

1 public class Agram {
2     public static void main(String[] args) {
3         CardsAgram [][] cards = new CardsAgram[13][4];
4         for (int i = 0; i < 4; i++){
5             for (int j = 0; j < 13; j++){
6                 cards [j][i] = new CardsAgram(j + 1, i + 1);
7             }
8         }
9
10        CardsAgram opCard = drawCard(cards);
11        System.out.println("Oponents Card: " + opCard.getNotate());
12
13        CardsAgram [] cardsDrawn = new CardsAgram[5];
14
15        for (int i = 0; i < 5; i++){
16            boolean isSame = false;
17            cardsDrawn[i] = drawCard(cards);
18
19            for (int j = 0; j < i; j++){
20                if ((cardsDrawn[i].getNotate().equals(opCard.getNotate())) ||
21                    (cardsDrawn[i].getNotate().equals(cardsDrawn[j].getNotate()))){
22                    isSame = true;
23                }
24            }
25            if (isSame){
26                i--;
27            }
28        }
29        System.out.println("Your Cards: ");
30        for (int i = 0; i < 5; i++){
31            System.out.println(cardsDrawn[i].getNotate());
32
33            if (cardsDrawn[i].getSuit() == opCard.getSuit()){
34                cardsDrawn[i].setIsSuit(true);
35            }
36            if (cardsDrawn[i].getVal() > opCard.getVal()){
37                cardsDrawn[i].setIsHigher(true);
38            }
39        }
40
41        CardsAgram chosenCard = cardsDrawn[0];
42
43        for (int i = 1; i < 5; i++){
44            if (cardsDrawn[i].isSuit()){
45                if (!chosenCard.isSuit()){
46                    chosenCard = cardsDrawn[i];
47                } else if (!chosenCard.isHigher() && cardsDrawn[i].isHigher()){
48                    chosenCard = cardsDrawn[i];
49                } else if ((chosenCard.getVal() > cardsDrawn[i].getVal()) &&
50                    cardsDrawn[i].isHigher()){ //runs if isHigher is true for both
51                    chosenCard = cardsDrawn[i];
52                } else if (chosenCard.isHigher() && !cardsDrawn[i].isHigher()){
53                    //chosen card stays the same

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53         } else if ((chosenCard.getVal() > cardsDrawn[i].getVal()) &&
!cardsDrawn[i].isHigher()){
54             chosenCard = cardsDrawn[i];
55         }
56     } else if(chosenCard.getVal() > cardsDrawn[i].getVal()){
57         chosenCard = cardsDrawn[i];
58     }
59 }
60 }
61
62     System.out.println("The chosen card is " + chosenCard.getNotate());
63
64 }
65
66 public static CardsAgram drawCard(CardsAgram [][] cards){
67     int randSuit = (int)(Math.random() * ((3) + 1));
68     int randNum = (int)(Math.random() * ((12) + 1));
69
70     CardsAgram drawnCard = cards[randNum][randSuit];
71
72     return drawnCard;
73 }
74 }
75
76
```