

```
//Card.java
public class Card{
    private int value;
    private String suit;

    public Card(int value, String suit){
        this.value = value;
        this.suit = suit;
    }

    public int getValue(){
        return value;
    }

    public String getSuit(){
        return suit;
    }

    public void setSuit(String suit){
        this.suit = suit;
    }

    public void setalue(int value){
        this.value = value;
    }

    public String toString(){
        return value + " of " + suit;
    }
}
```

```
import java.util.*;

public class Deck {
    private ArrayList<Card> cards;

    public Deck() {
        this.cards = new ArrayList<Card>();

        String[] values = {"A", "2", "3", "4", "5", "6", "7", "8", "9", "10",
"J", "Q", "K"};
        String[] suits = {"Hearts", "Diamonds", "Clubs", "Spades"};
        for (int i = 0; i < suits.length; i++) {
            for (int j = 0; j < values.length; j++) {
                this.cards.add(new Card(j + 1, suits[i]));
            }
        }
        Collections.shuffle(this.cards);
    }
}
```

```
    }

    public ArrayList<Card> getDeck() {
        return cards;
    }

    public Card getCard() {
        return cards.get(0);
    }
}
```

```
//Main.java
public class Main {
    public static void main(String[] args) {
        Deck deck = new Deck();
        System.out.println(deck.getDeck());
        System.out.println(deck.getCard());
    }
}
```

Output :

```
[12 of Clubs, 5 of Clubs, 7 of Hearts, 3 of Diamonds, 10 of Spades, 7 of Spades, 13 of Hearts, 2 of Spades, 4 of Clubs, 8 of Clubs, 7 of Clubs, 8 of Diamonds, 9
of Hearts, 1 of Diamonds, 5 of Hearts, 1 of Spades, 4 of Spades, 11 of Hearts, 2 of Hearts, 3 of Spades, 2 of Clubs, 8 of Hearts, 9 of Spades, 13 of Spades, 2
of Diamonds, 13 of Diamonds, 8 of Spades, 4 of Hearts, 12 of Hearts, 11 of Diamonds, 1 of Hearts, 13 of Clubs, 10 of Hearts, 6 of Spades, 9 of Diamonds, 5 of Di
amonds, 6 of Diamonds, 10 of Diamonds, 11 of Spades, 6 of Clubs, 3 of Clubs, 1 of Clubs, 6 of Hearts, 11 of Clubs, 9 of Clubs, 3 of Hearts, 5 of Spades, 10 of C
lubs, 12 of Spades, 7 of Diamonds, 12 of Diamonds, 4 of Diamonds]
12 of Clubs
```

Github link: [ImRAJAS-SAMSE/PIJ_LAB: USED TO STORE MY ASSIGNMENTS OF JAVA PRGRAMMING \(github.com\)](https://github.com/ImRAJAS-SAMSE/PIJ_LAB)