

```

import java.util.HashSet;
import java.util.LinkedList;
import java.util.Arrays;

public class ElectionRecord {
    public String name;
    private HashSet candidates;
    private LinkedList<String> votes;

    public ElectionRecord(String name, String[] candidates) {
        this.name = name;
        this.candidates = new HashSet<String>(Arrays.asList(candidates));
        this.votes = new LinkedList<String>();
    }

    public String toString() {
        return "Election about " + name + " has " + this.votes.size() + " votes";
    }

    public void castVote(String forCandidate) {
        if (this.candidates.contains(forCandidate)) {
            this.votes.add(forCandidate);
        } else throw new RuntimeException("unknown candidate " + forCandidate);
    }

    public int countVotesFor(String forCandidate) {
        int total = 0;
        for (String v : this.votes) {
            if (v.equals(forCandidate))
                total = total + 1;
        }
        return total;
    }

    public static void main(String[] args) {
        String[] colors = {"red", "blue"};
        ElectionRecord e = new ElectionRecord("Color Choices", colors);
        System.out.println(e);
        e.castVote("red");
        e.castVote("blue");
        e.castVote("red");
        System.out.println(e);
        System.out.println("red has " + e.countVotesFor("red") + " votes");
    }
}

```