



## ≡ Item Navigation

# Programming Assignment: Democracy

You have not submitted. You must earn 8/10 points to pass.

## Deadline

Pass this assignment by Jan 31, 1:59 AM CST

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## Democracy

*Democracy is a form of government in which the people have the authority to choose their governing legislation.* (Wikipedia)

However, it turns out that the voting processes that people use to choose their governing legislation may have caveats. For instance, it is perfectly possible that the outcome of an election is not the candidate preferred by a majority of people. (For the record, this has happened in France in 2012, where François Hollande was elected president although François Bayrou was preferred over him.)

In this assignment, you will implement the Majority Judgement voting system. This voting system is an alternative to commonly used voting systems (such as first-past-the-post or two-round systems) that guarantees that the winner between three or more candidates will be the candidate who had received an absolute majority of the highest grades given by all the voters.

## Overview

Unlike common voting systems, in Majority Judgement voters don't vote for a single candidate, but they give a grade to each candidate. The candidate with the highest median grade wins the election.

In our implementation, each voter can give a grade among bad, mediocre, inadequate, passable, good, very good, and excellent (from worst to best).