



## Comp 170 – Congress Eligibility

As in the course syllabus, late assignments will not be accepted unless you have completed the process for using a late pass before the due date.

### 1. Submit

Online as instructed in class before the due date and time.

### 2. Format

Java program using proper programming style and with appropriate comments for pseudo code in the code.

\*\*\* Also turn in a sample of your testing\*\*\*\* cut and paste from the console window into a .doc, .docx, .rtf, or .pdf file. You can do several tests in one run of the program. Include at least two that have different ages and years of citizenship

### 3. Content

Summary: Write a complete program to get input of a person's age and their years of current USA citizenship. Tell them if they are eligible to run for US House of Representatives, US Senate, or President.

At first, have the program just run once and give the answer for the given inputs. Give the answer in a nice format and be clear which offices the person can run for.

Write good and complete pseudo code.

Next, put that program in a function and call it from a loop that gets input's from main (no input or output in the function itself). Have the loop run until the user enters 0 for their age.

Finally, modify the input GUI so that the user enters only one number if years of citizenship is the same as age (two numbers when they are different).

The rules for eligibility are:

President: 35 years old and natural born citizen (age and year's citizenship match)

US Senate: 30 years old and 9 years citizenship

US House of Representatives: 25 years old and 7 years citizenship.

#### **4. Grading**

20 points total. No points if will not compile. -5 points for each logic error that impacts the results. -10 for not allowing multiple input statements in one run of the program. Up to -5 for poor programming style. Up to -5 for lack of sufficient documentation and comments.

-5 for not showing your test cases.

Assignment Congress  
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