

Java Lab 2: Control Structures

Read instructions carefully! Following instructions is part of the grade for this lab. Please do not hesitate to ask any of the team members for clarifications.

1. If you are using JCreator, create a new project named **lab2**. Then create a new class called `UsingControlStructures`.
2. In your program, between the output of each of the following parts, print out a separator like “-----”.
3. (3 points) Create a main method. Declare and initialize variables representing:
 - a. A person’s age.
 - b. The age people start primary school.
 - c. The legal voting age.
 - d. The age you can become president.
 - e. The official retirement age.

In the main method, use `if-else` statements to print:

- a. “Too young.” if the person is too young for school.
 - b. “Remember to vote” if the person is old enough to vote.
 - c. “Vote for me” if the person is old enough to be president and “You can’t be president” if they are not.
 - d. “Too old.” if the person is old enough to retire.
5. (3 points) In the main method, write a `for` or `while` loop that prints out all the multiples of 3 down from 40 to 0 in decreasing order. That is, 39, 36, 33, ..., 3, 0.
 6. (4 points) In the main method, write a loop that prints out all numbers between 6 and 30 that are **not** divisible by 2, 3, or 5.
 7. **CheckOff:** Compile your code. Demonstrate an execution of your code and your source code to a staff member. Be prepared to answer questions about your source code.