Translating the Grade Project

1. The following Scratch code is a possible solution to the Grade Project. It uses **complex conditionals**. In your own words, what do you think this code does?

   **ANSWERS WILL VARY. SAMPLE ANSWER:** It prints the correct grade based on the value of the variable grade.

2. Please translate the Scratch code into Arduino. For the “say” block, you may call a say function, for example: `say("A");`

<table>
<thead>
<tr>
<th>SCRATCH CODE</th>
<th>ARDUINO CODE</th>
</tr>
</thead>
</table>
| if grade > 89 then
  say "A" for 2 secs |
| if grade > 79 and grade < 90 then
  say "B" for 2 secs |
| if grade > 69 and grade < 80 then
  say "C" for 2 secs |
| if grade > 59 and grade < 70 then
  say "D" for 2 secs |
| if grade < 60 then
  say "F" for 2 secs |

**EXTRA CREDIT:**

if ((grade > 79 && grade < 90) || (grade > 59 && grade < 70)) {
  say ("You qualify for tutoring");
}