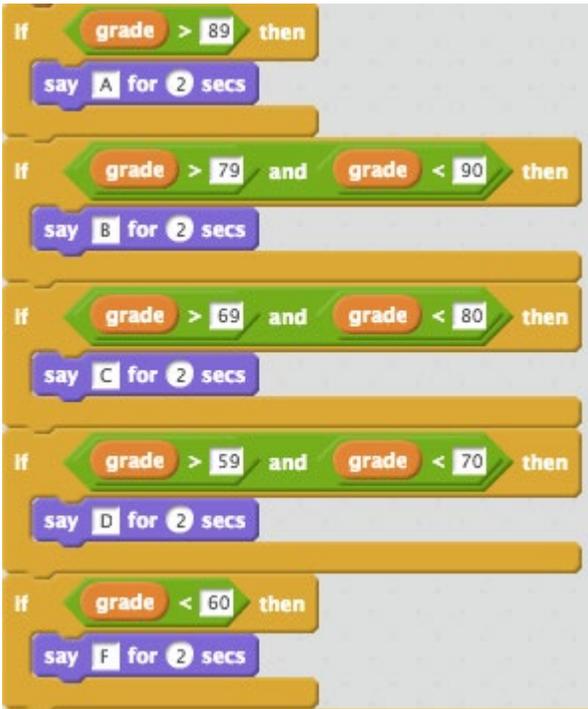# Translating the Grade Project

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");`

SCRATCH CODE	ARDUINO CODE
|  | ```
if (grade > 89) {
   say("A");
}
if (grade > 79 && grade < 90) {
   say("B");
}
if (grade > 69 && grade < 80) {
   say("C");
}
if (grade > 59 && grade < 70) {
   say("D");
}
if (grade < 60) {
   say("F");
}
``` |

EXTRA CREDIT:

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