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Lesson 3:
Conditionals

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✓ 1. Intro to Conditionals

✓ 2. Quiz: Flowcharts (3-1)

✓ 3. Flowchart to Code

✓ 4. If...Else Statements

✓ 5. Else If Statements

✓ 6. Quiz: Even or Odd (3-2)

✓ 7. Quiz: Musical Groups (3-3)

● 8. Quiz: Murder Mystery (3-4)

● 9. More Complex Problems

● 10. Logical Operators

● 11. Logical AND and OR

● 12. Quiz: Checking your Balance (3-5)

● 13. Quiz: Ice Cream (3-6)

● 14. Quiz: What do I Wear? (3-7)

● 15. Advanced Conditionals

● 16. Truthy and Falsy

● 17. Ternary Operator

● 18. Quiz: Navigating the Food Chain (3-8)

● 19. Switch Statement

● 20. Falling-through

● 21. Quiz: Back to School (3-9)

● 22. Lesson 3 Summary

Mentorship

Get support and stay on track

Musical groups have special names based on the number of people in the group.

For example, a "quartet" is a musical group with four musicians. **Barbershop quartets** were a popular type of quartet in the early 1900s and featured four singers made up of a lead, tenor, baritone, and bass.

Directions:

Write a series of conditional statements that:

- prints **"not a group"** if musicians is less than or equal to 0
- prints **"solo"** if musicians is equal to 1
- prints **"duet"** if musicians is equal to 2
- prints **"trio"** if musicians is equal to 3
- prints **"quartet"** if musicians is equal to 4
- prints **"this is a large group"** if musicians is greater than 4

TIP: Make sure to test your code with different values. For example,

If **musicians** equals **3**, then **trio** should be printed to the console.
If **musicians** equals **20**, then **this is a large group** should be printed to the console.
If **musicians** equals **-1**, then **not a group** should be printed to the console.

Your Code:

```
1 /*
2  * Programming Quiz: Musical Groups (3-3)
3  */
4
5 // change the value of `musicians` to test your conditional statements
6 var musicians = 1;
7
8 // your code goes here
9 if (musicians <= 0) {
10   console.log("not a group");
11 } else if (musicians == -1) {
12   console.log("not a group");
13 } else if (musicians == 1) {
14   console.log("solo");
15 } else if (musicians == 2) {
16   console.log("duet");
17 } else if (musicians == 3) {
18   console.log("trio");
19 } else if (musicians == 4) {
20   console.log("quartet");
21 } else {
22   console.log("this is a large group");
23 }
```

solo

RESET QUIZ

TEST RUN

SUBMIT ANSWER

Have questions? Head to the [forums](#) for discussion with the Udacity Community.