5.8 BOOLEAN EXPRESSIONS AND "IF" STATEMENTS

Unit 5
Building Apps

5.7 HOMEWORK REVIEW & DISCUSSION

- Compare your homework solution with your neighbor.

- How many different coding solutions to this problem are there?

- Why are different solutions possible?

ACTIVITY FOLLOW-UP

- There are multiple correct solutions because there are multiple ways to think about a problem.

- There are multiple algorithms for solving a problem.

- Even if you use the same algorithm, the code might be different.

- Remember that programming is a **creative activity.**

WHEN VS. IF REMINDERS

- Events (when) are setup be a programmer, but triggered by the computer at any moment in time.

- If statements are a way a programmer can have the code make a decision during the normal flow of execution to do one thing or another.

- While you don't have to be perfect, you should be cognizant of saying the word WHEN versus IF.

FLOWCHART ACTIVITY GUIDE

- With the people around you, read through and complete the activity guide.

- When you finish, you should begin stage 8 on code studio.
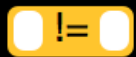
ACTIVITY

- Go to Stage 8 on Code Studio
- Watch Video: https://studio.code.org/s/csp5/stage/8/puzzle/2

- Complete puzzles 4-18 including videos
- Video: https://studio.code.org/s/csp5/stage/8/puzzle/5
- Video: https://studio.code.org/s/csp5/stage/8/puzzle/10

VOCAB RECAP

■Boolean—single value of either TRUE or FALSE.

■Boolean Expression—an expression that evaluates to TRUE or FALSE (named after George Boole).

■Conditionals—generic term for statements that alter program flow based on true/false answers.

`==`	is equal to
`!=`	is not equal to
`>`	is greater than
`<`	is less than
`>=`	is greater than or equal to
`<=`	is less than or equal to