Focus Questions - Conditionals Lesson

1. Provide an example of where/when a real web application that probably uses a conditional
2. List 3 operators and explain what each of them does. Which is the newest or more interesting to you?
3. What is the difference between = and ==?

Provide an example of where/when a real web application that probably uses a conditional

If you do to the desktop version of Instagram without being logged in, it will ask you to log in. So the conditional there is something like below:

> If the user is logged in, then let user continue to website. Else ask user to log in. If user does not have an account, then ask user to sign up.

List 3 operators and explain what each of them does. Which is the newest or more interesting to you?

- `!=` is used to denote not equal to
- `==` is used to denote equal to
- `%` is used to find out if two numbers have a remainder when they are divided

For me, I personally love `==`. I use it obsessively when I code conditionals for one of the classes I am in this semester. When I want code to run when a boolean is true, I always make sure that I write that if statement to only run if the `boolean == true` (class is in java). In Swift, I love/hate that it is case sensitive, because it requires me to pay more attention to my code.

What is the difference between = and ==?

`=` is used when creating variables. It sets the variable to something. Whereas `==` is used as a form of logic and denotes that something is equal to another thing. `==` will also return a true or false because it is trying to determine if what you typed on both sides of the `==` are exactly the same (this is case sensitive). You would say `var x = 3` with the system returning nothing but if you would say `2 == 2.0` the system would return false.