Task 3
Model Answer – Video 1
Video Transcript

So, you're about to start a coding test, how are you feeling?

You might feel overwhelmed or anxious, but what's important to keep in mind is that with most coding tests, being online timed tests, it's important to take a deep breath before starting and take an approach that you feel most confident in.

In regards to the coding test example that you were given, I'm going to go through how I would go about solving it.

The first thing I would do is use the first letter of the UMPIRE method and make sure I understand the problem. I would read over the prompt as many times as it takes to fully understand what it is I need to create a solution for.

Once I know the problem that I'm trying to solve, I would take things step by step.

For this particular coding test, the first thing that's important to consider is what is happening last.

For this prompt, there are three choices that the child can make to get to the top of the staircase. The first is one hop, the second is two hops and the third is three hops.

We can further break things down into three different options for how a child will take the stairs.

We could imagine she takes one hop for each step, two hops for each step or three hops for each step.

We're basically going to add the different numbers we would get if we were to say that the child hopped up the steps using all three of these methods.

From here, we've gotten to a point where we know what it is that we need to accomplish, it's just a matter of how we accomplish this with code.

The way that I would look at this problem is visually thinking about. the different solutions and then using necessary algorithms to come to an answer.

For this challenge I would use an if statement in order to help to figure out the outcome based on the different scenarios.

I hope this exercise helped you get a better idea about how to approach coding tests. Practicing these types of tests in not interview settings is always a great way to brush up on your skills and prepare yourself for the real thing.

In the next video, we're going to talk about how hiring managers utilize coding tests.