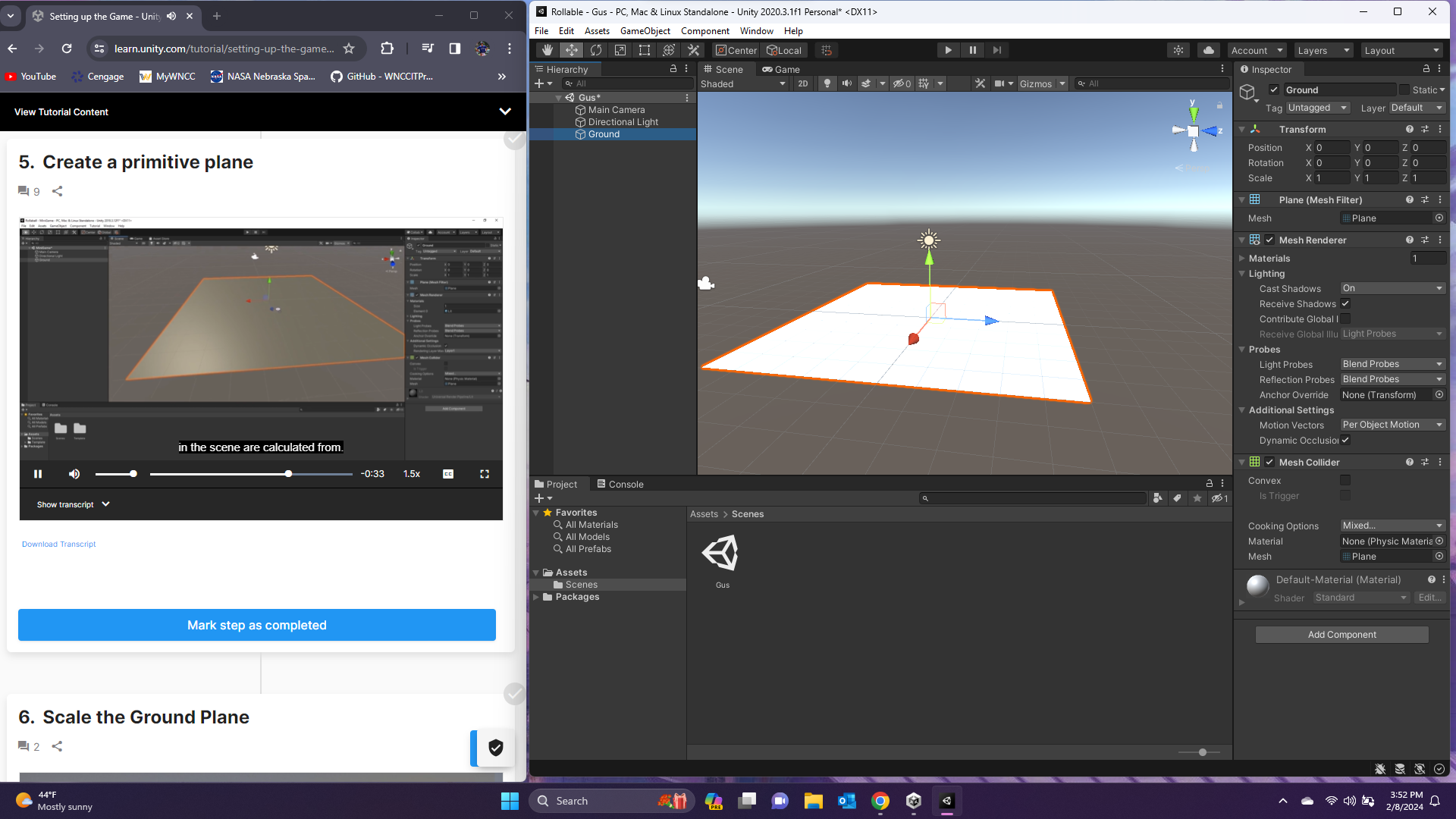
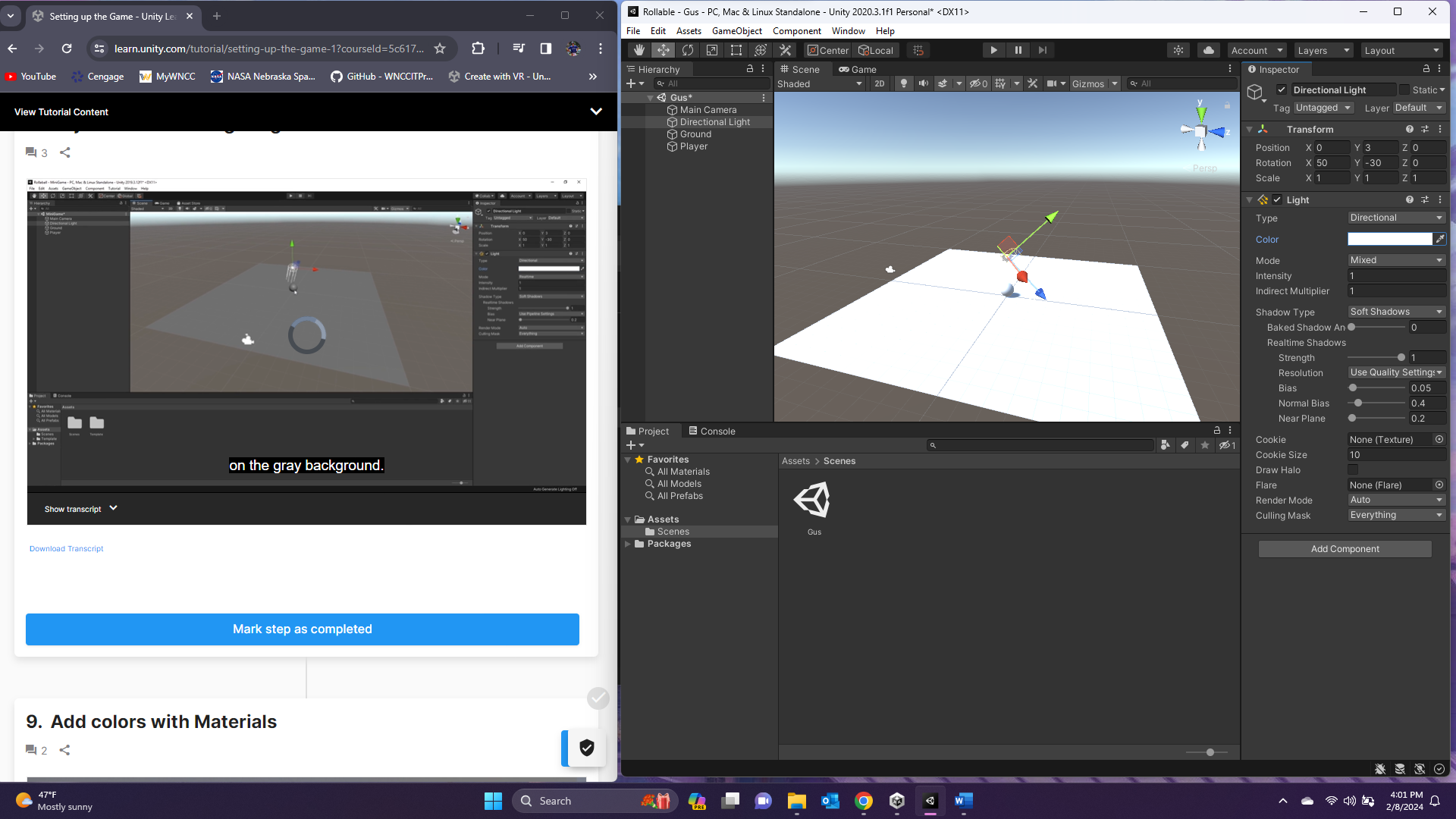
**Think Aloud 1**

This week, I decided to change the direction of my think aloud. I’m instead going to be focusing on learning scripting in C# for Unity because that’s a more practical application to real-world game development than basically learning a deep dive on how game engines work directly. I figure that this way, I can still learn some deeper game development concepts while also being able to apply them. I want to start with the Beginner Scripting course on Unity’s website. There, I will learn the basics and get a better understanding of how things interact within games.

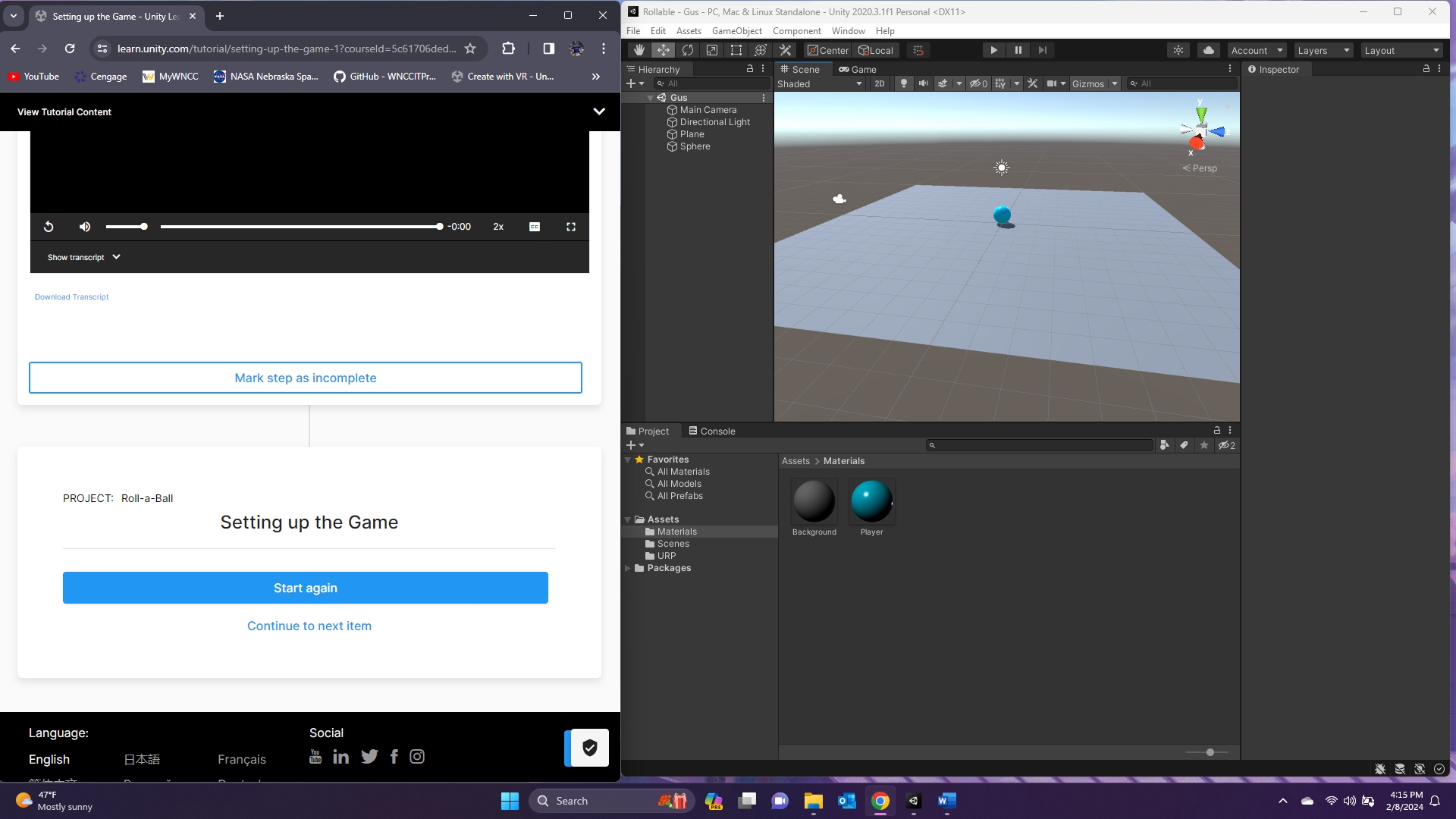
I’m first setting up a new game and placing items. After this, I’ll write a simple script for a ball to roll on a plane that I’ve placed as the ground.



I then added a sphere for the player object.



Then, I ended up having to search and find how to import the Universal Render Pipeline into an existing Unity project, so I did that. Then, I applied URP to the project and upgraded the materials to get the right compatibility of objects. Finally, I made some materials and applied them to the plane and sphere.



I’ve enjoyed playing around with Unity some more, but I’m excited to start diving into the coding side of game development. I haven’t seen much of that side for practical game development. I’ve only done very retro games, so I’m excited to work on more modern 3D type games.

**Think Aloud 2**

This week, I’m continuing working on my rolling ball game and learning scripting. I started by opening Unity and adding a rigid body to my player object. I then installed the input system package and added player input for moving the ball. I had to make sure to apply that player input to the component so game would take player input. I added an empty script to the player object, and I’m not adding code to that script.

A screenshot of a computer

Description automatically generated

I next added input data to the player by adding a rigid body variable and on move function to collect input from the user.

A screenshot of a computer program

Description automatically generated

After that, I added a FixedUpdate function where I added force to the player object. I had to convert the Vector2 to Vector3 in this function, and I added a speed variable that I multiplied the movement by to change player speed. This made my ball roll correctly.

A black background with white text

Description automatically generated

A screenshot of a computer program

Description automatically generated

A computer screen shot of a blue ball

Description automatically generated

A screenshot of a computer

Description automatically generated

Overall, I’m really enjoying where I’m going with this, and it’s really cool to see my changes affecting my game so directly. I feel like I’m making good progress into learning how to apply physics to my game.