

Challenge 4: Custom Sound Patterns for Robot Actions

In this challenge, you'll play different tones for different robot actions:

- A **low tone (500Hz)** when the robot moves forward.
- A **high tone (2000Hz)** when the robot rotates.

```
In [ ]: import rclpy
        from omni_robot_controller import OmniWheelControlNode # Import control node

        # Initialize ROS2 node
        rclpy.init()
        node = OmniWheelControlNode()
```

Step-by-step Instructions:

- Use 500 Hz for the forward motion tone.
- Use 2000 Hz for the rotation tone.
- You can change the duration and number of repetitions too!

```
In [ ]: # Try it here:
        # Example starter code:

        node.play_buzzer(
```