Compiling ROS2 C++ Nodes

Add Dependencies To package.xml File

```xml
<depend>rclcpp</depend>
<depend>std_msgs</depend>
```

Add Dependencies To CMakeLists.txt File

```cmake
find_package(ament_cmake REQUIRED)
find_package(rclcpp REQUIRED)
find_package(std_msgs REQUIRED)
```

Configure Executables In CMakeLists.txt File

```cmake
add_executable(exe1_name src/your_ros_file.cpp)
ament_target_dependencies(exe1_name rclcpp std_msgs)

add_executable(exe2_name src/your_other_ros_file.cpp)
ament_target_dependencies(exe2_name rclcpp std_msgs)
```

Install Targets In CMakeLists.txt File

```cmake
# config for ROS2 cli tools
install(TARGETS
  exe1_name
  exe2_name
  DESTINATION lib/${PROJECT_NAME}
)
```

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Terminal Commands

```
cd path/to/ros_workspace
colcon build
source install/setup.bash
ros2 run your_pkg_name exe1_name
```