

1. แก้ไข action client ให้สามารถรับค่า order ของ fibonacci ผ่านหน้า terminal ได้

```
Dec 26 16:50
mannaJa@mannaja:~/study/ros_name_sensai_ws$ ros2 run custom_action_interfaces fibonacc_action_client.py 1
Starting >>> assign2_660610840
Starting >>> custom_action_interfaces
Starting >>> custom_action_py
Finished <<< custom_action_py [0.68s]
Finished <<< custom_action_interfaces [1.20s]
Finished <<< assign2_660610840 [0.01s]

Summary: 3 packages finished [2.18s]
(391_web_venv) mannaJa@mannaja:~/study/ros_name_sensai_ws$ ros2 run custom_action_interfaces fibonacc_action_client.py 1
[INFO] [1766742611.701084198] [fibonacci_action_client]: Goal accepted
[INFO] [1766742611.706899783] [fibonacci_action_client]: Result: array('i', [0, 1, 1])
[INFO] [1766742611.7021944853] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 1])
[INFO] [1766742611.7070424696] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 2])
[INFO] [1766742611.973227358] [fibonacci_action_client]: Result: array('i', [0, 1, 2])
(391_web_venv) mannaJa@mannaja:~/study/ros_name_sensai_ws$
```

2. แก้ไข package หรือ executable

```
Dec 26 16:51
mannaJa@mannaja:~/study/ros_name_sensai_ws$ ros2 run custom_action_interfaces fibonacc_action_client.py 1
Starting >>> assign2_660610840
Starting >>> custom_action_interfaces
Starting >>> custom_action_py
Finished <<< custom_action_py [0.68s]
Finished <<< custom_action_interfaces [1.20s]
Finished <<< assign2_660610840 [0.01s]

Summary: 3 packages finished [2.18s]
(391_web_venv) mannaJa@mannaja:~/study/ros_name_sensai_ws$ ros2 run custom_action_interfaces fibonacc_action_client.py 1
[INFO] [1766742611.70109179556] [fibonacci_action_client]: Goal accepted
[INFO] [1766742611.706899783] [fibonacci_action_client]: Result: array('i', [0, 1, 1])
[INFO] [1766742611.7021944853] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 1])
[INFO] [1766742611.7070424696] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 2])
[INFO] [1766742611.973227358] [fibonacci_action_client]: Result: array('i', [0, 1, 2])
[INFO] [1766742699.408063589] [fibonacci_action_client]: Goal accepted
[INFO] [1766742699.410896692] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 1])
[INFO] [1766742701.361575714] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 1, 2])
[INFO] [1766742701.363882956] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 1, 2, 3])
[INFO] [1766742702.366433054] [fibonacci_action_client]: Received feedback back: array('i', [0, 1, 1, 2, 3, 5])
[INFO] [1766742703.369248682] [fibonacci_action_client]: Result: array('i', [0, 1, 1, 2, 3, 5])
(391_web_venv) mannaJa@mannaja:~/study/ros_name_sensai_ws$
```

Twá packages.xml

The screenshot shows a code editor interface with multiple tabs open. The current tab is 'package.xml' located in the 'custom_action_interfaces' directory of the 'ros_name_sensai_ws' workspace. The code content is as follows:

```
<?xml version="1.0"?>
<package format="3">
  <name>custom_action_py</name>
  <version>0.0.0</version>
  <description>TODO: Package description</description>
  <maintainer email="mannan7852078520@gmail.com">mannaja</maintainer>
  <license>Apache-2.0</license>
  <buildtool_depend>ament_cmake</buildtool_depend>
  <buildtool_depend>rosidl_default_generators</buildtool_depend>
  <member_of_group>rosidl_interface_packages</member_of_group>
  <test_depend>ament_lint_auto</test_depend>
  <test_depend>ament_lint_common</test_depend>
  <export>
    <build_type>ament_cmake</build_type>
  </export>
</package>
```

The timeline on the right shows the following events for the package.xml file:

- File Moved (2 hrs ago)
- File Saved
- File Saved

Twá CMakeLists.txt

The screenshot shows a code editor interface with multiple tabs open. The current tab is 'CMakeLists.txt' located in the 'custom_action_interfaces' directory of the 'ros_name_sensai_ws' workspace. The code content is as follows:

```
cmake_minimum_required(VERSION 3.8)
project(custom_action_py)

if(CMAKE_COMPILER_IS_GNUXX OR CMAKE_CXX_COMPILER_ID MATCHES "Clang")
  add_compile_options(-Wall -Wextra -Wpedantic)
endif()

# find dependencies
find_package(ament_cmake REQUIRED)
# find_package(rclcpp REQUIRED)
find_package(rclpy REQUIRED)

# uncomment the following section in order to fill in
# further dependencies manually.
# find_package( REQUIRED)

find_package(rosidl_default_generators REQUIRED)

install(PROGRAMS
  src/fibonacci_action_server.py
  src/fibonacci_action_client.py
  DESTINATION lib/${PROJECT_NAME}
)

if(BUILD_TESTING)
  find_package(ament_lint_auto REQUIRED)
  # the following line skips the linter which checks for copyrights
  # comment the line when a copyright and license is added to all source files
  set(ament_cmake_copyright_FOUND TRUE)
  # the following line skips cpplint (only works in a git repo)
  # comment the line when this package is in a git repo and when
  # a copyright and license is added to all source files
  set(ament_cmake_cpplint_FOUND TRUE)
  ament_lint_auto_find_test_dependencies()
endif()

ament_package()
```

The timeline on the right shows the following events for the CMakeLists.txt file:

- File Saved (1 hr ago)
- File Saved (2 hrs ago)
- File Moved
- File Saved
- File Saved