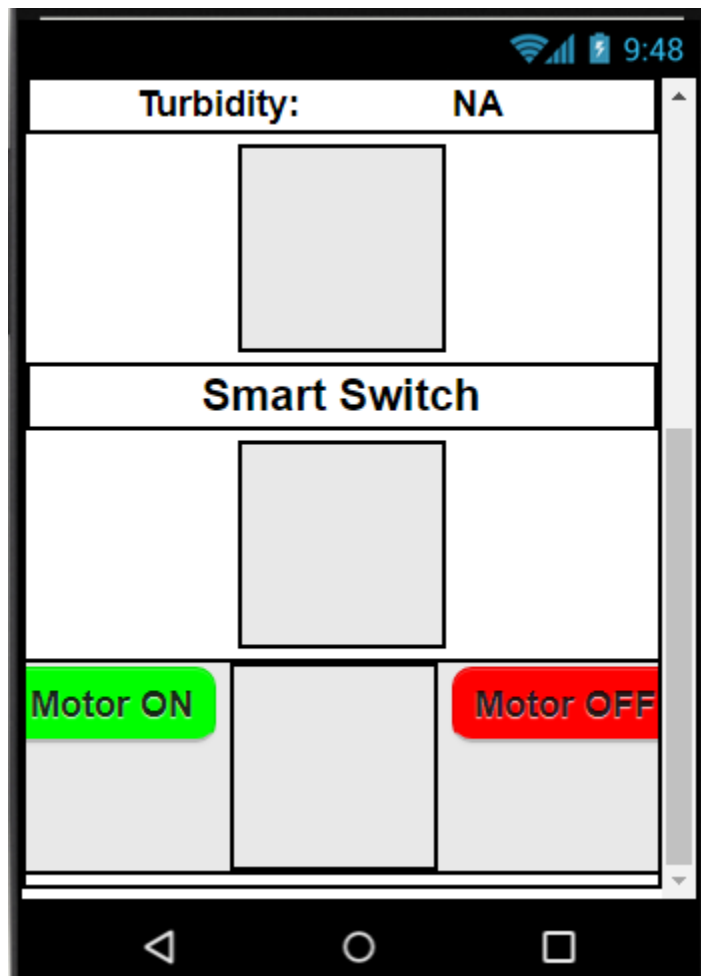


Configure the Mobile app for Controlling Motor using Buttons

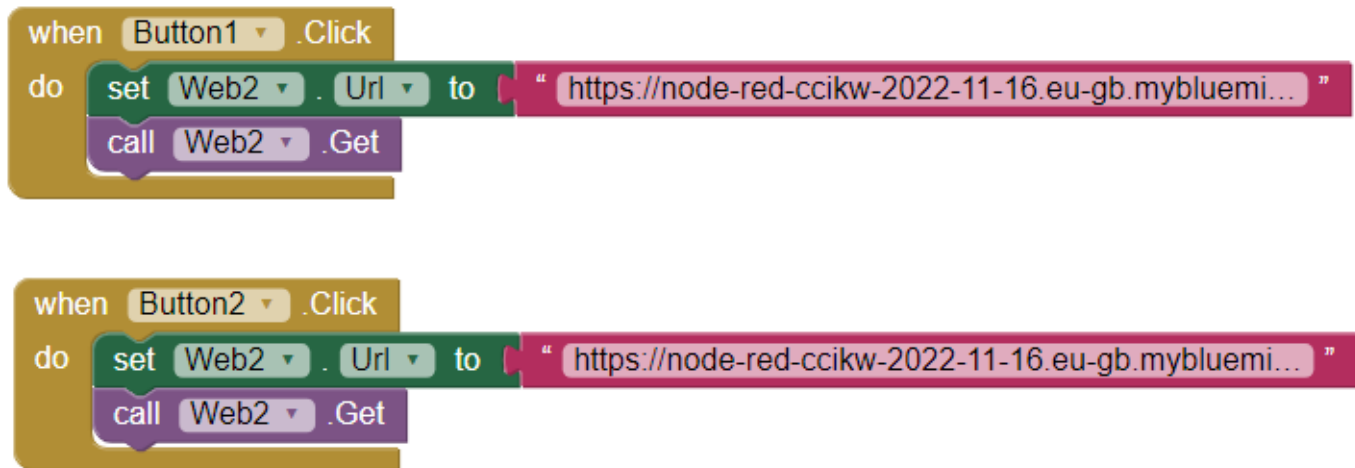
| | |
|--------------|---|
| Team ID | PNT2022TMID06691 |
| Project Name | Real-Time River Water Quality Monitoring and Control System |

Configuring Mobile App for Controlling Motor:

MIT App Inventor: Design

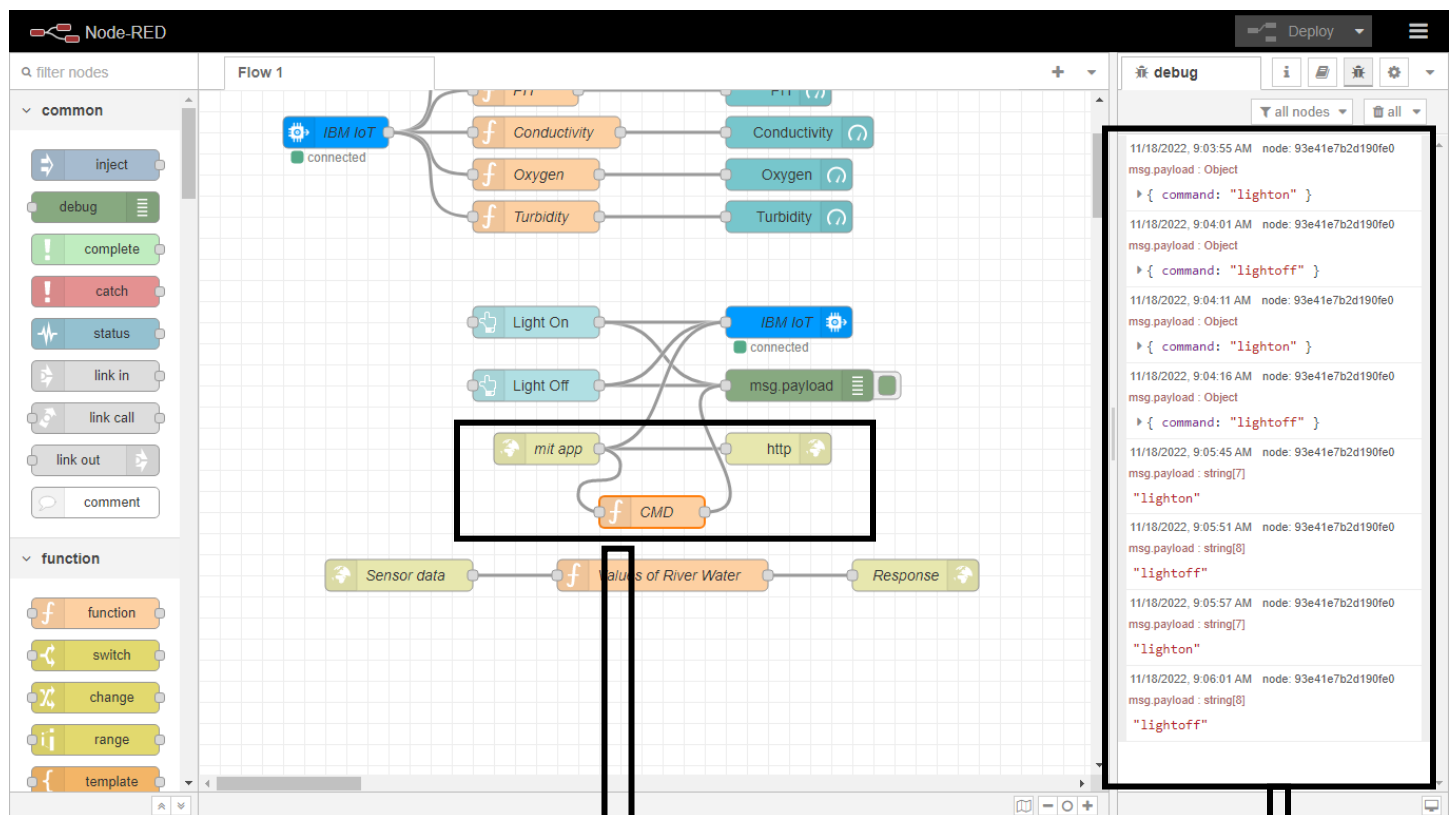


MIT App Inventor: Blocks



Output when the Button is Clicked:

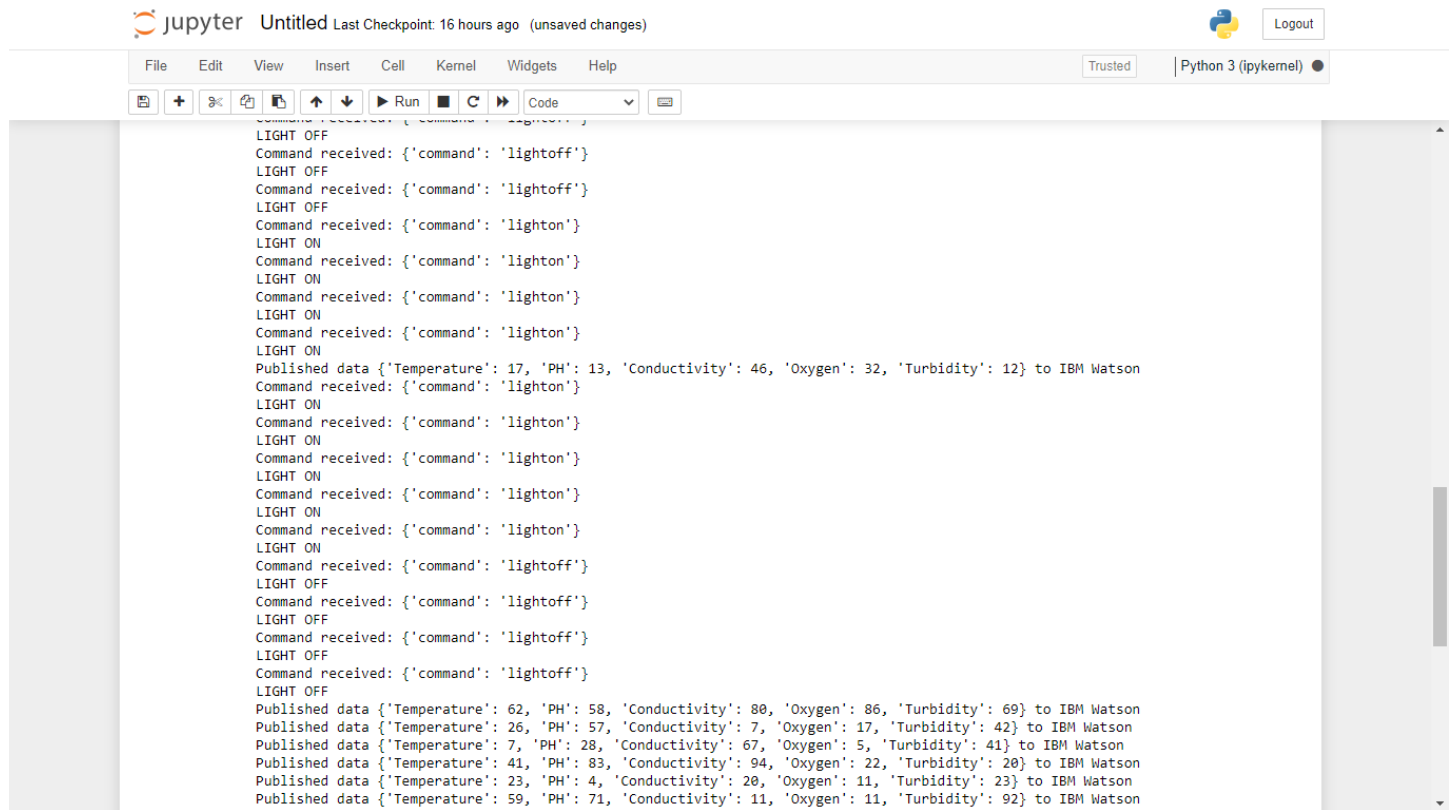
Node-Red:



HTTP Request for Controlling
Motor through Buttons

Command Received in Node-Red

Python Shell:



The image shows a Jupyter Notebook interface with a single code cell. The notebook is titled "Untitled" and has a status bar indicating "Last Checkpoint: 16 hours ago (unsaved changes)". The interface includes a menu bar (File, Edit, View, Insert, Cell, Kernel, Widgets, Help) and a toolbar with icons for file operations, running, and code execution. The code cell contains a series of commands and data publications, all of which are commented out with a leading hash symbol (#). The commands are "lightoff" and "lighton", and the data publications are JSON objects containing "Temperature", "PH", "Conductivity", "Oxygen", and "Turbidity" values. The data is published to "IBM Watson".

```
# LIGHT OFF
# Command received: {'command': 'lightoff'}
# LIGHT OFF
# Command received: {'command': 'lightoff'}
# LIGHT OFF
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# Published data {'Temperature': 17, 'PH': 13, 'Conductivity': 46, 'Oxygen': 32, 'Turbidity': 12} to IBM Watson
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lighton'}
# LIGHT ON
# Command received: {'command': 'lightoff'}
# LIGHT OFF
# Command received: {'command': 'lightoff'}
# LIGHT OFF
# Command received: {'command': 'lightoff'}
# LIGHT OFF
# Command received: {'command': 'lightoff'}
# LIGHT OFF
# Command received: {'command': 'lightoff'}
# Published data {'Temperature': 62, 'PH': 58, 'Conductivity': 80, 'Oxygen': 86, 'Turbidity': 69} to IBM Watson
# Published data {'Temperature': 26, 'PH': 57, 'Conductivity': 7, 'Oxygen': 17, 'Turbidity': 42} to IBM Watson
# Published data {'Temperature': 7, 'PH': 28, 'Conductivity': 67, 'Oxygen': 5, 'Turbidity': 41} to IBM Watson
# Published data {'Temperature': 41, 'PH': 83, 'Conductivity': 94, 'Oxygen': 22, 'Turbidity': 20} to IBM Watson
# Published data {'Temperature': 23, 'PH': 4, 'Conductivity': 20, 'Oxygen': 11, 'Turbidity': 23} to IBM Watson
# Published data {'Temperature': 59, 'PH': 71, 'Conductivity': 11, 'Oxygen': 11, 'Turbidity': 92} to IBM Watson
```