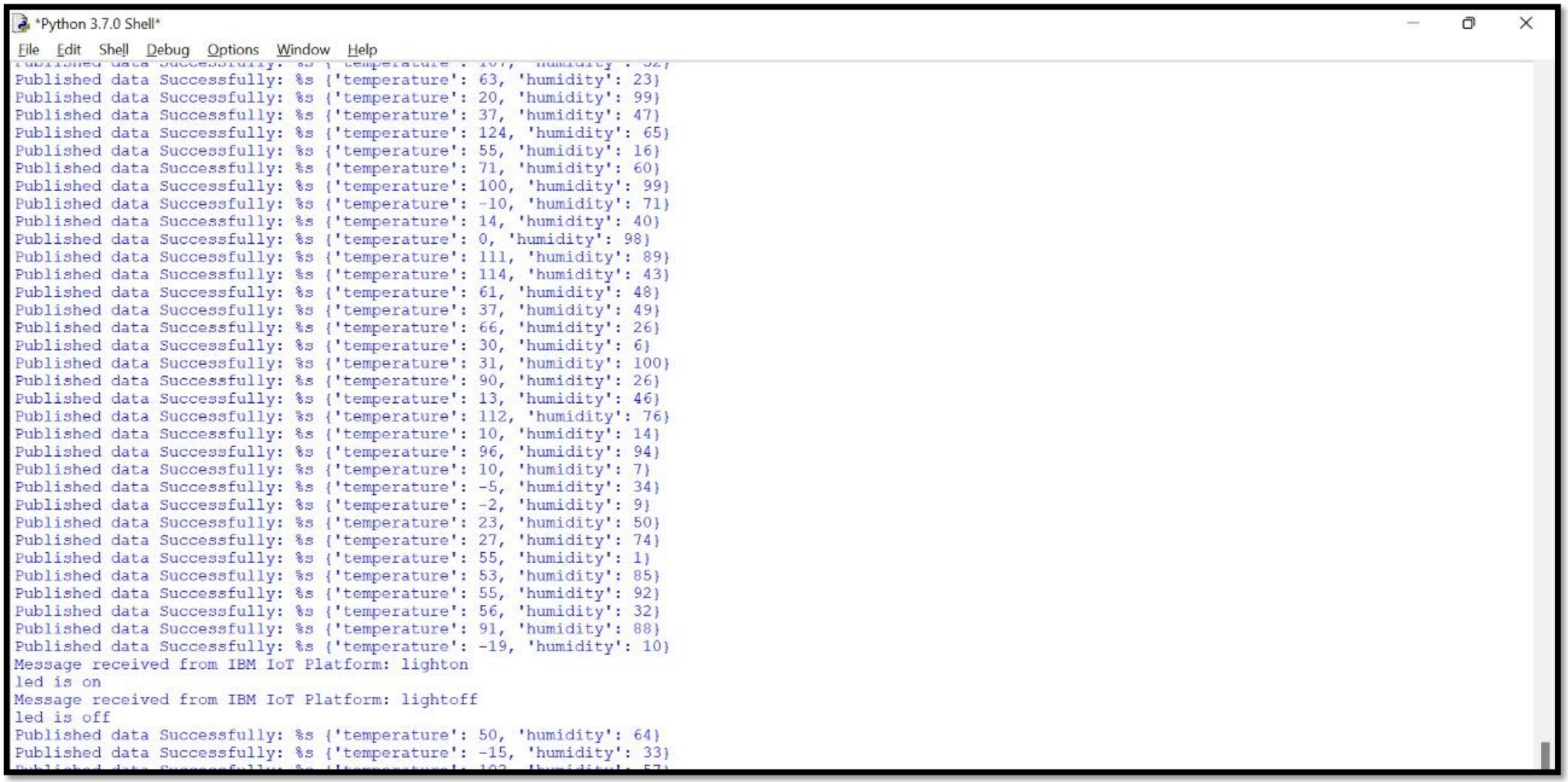
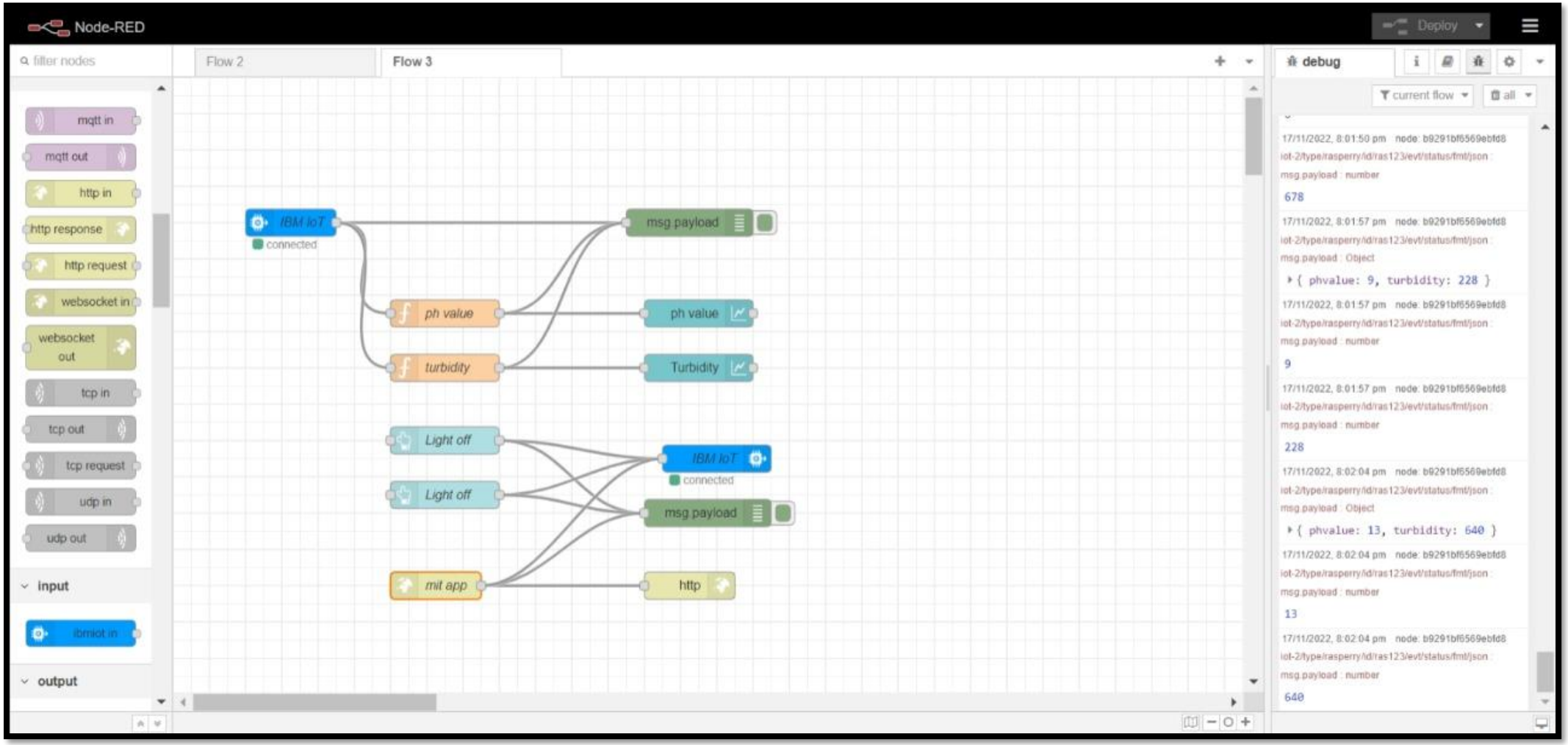
CONFIGURE THE APPLICATION TO RECEIVE THE DATA FROM CLOUD

Team ID	PNT2022TMID33019
Project Name	Real-Time River Water Quality Monitoring and Control System
Maximum Marks	4 Marks

In this document, we have attached the screenshots which shows that the application to receive the data from cloud.


Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Published data Successfully: %s {'temperature': 63, 'humidity': 23}
Published data Successfully: %s {'temperature': 20, 'humidity': 99}
Published data Successfully: %s {'temperature': 37, 'humidity': 47}
Published data Successfully: %s {'temperature': 124, 'humidity': 65}
Published data Successfully: %s {'temperature': 55, 'humidity': 16}
Published data Successfully: %s {'temperature': 71, 'humidity': 60}
Published data Successfully: %s {'temperature': 100, 'humidity': 99}
Published data Successfully: %s {'temperature': -10, 'humidity': 71}
Published data Successfully: %s {'temperature': 14, 'humidity': 40}
Published data Successfully: %s {'temperature': 0, 'humidity': 98}
Published data Successfully: %s {'temperature': 111, 'humidity': 89}
Published data Successfully: %s {'temperature': 114, 'humidity': 43}
Published data Successfully: %s {'temperature': 61, 'humidity': 48}
Published data Successfully: %s {'temperature': 37, 'humidity': 49}
Published data Successfully: %s {'temperature': 66, 'humidity': 26}
Published data Successfully: %s {'temperature': 30, 'humidity': 6}
Published data Successfully: %s {'temperature': 31, 'humidity': 100}
Published data Successfully: %s {'temperature': 90, 'humidity': 26}
Published data Successfully: %s {'temperature': 13, 'humidity': 46}
Published data Successfully: %s {'temperature': 112, 'humidity': 76}
Published data Successfully: %s {'temperature': 10, 'humidity': 14}
Published data Successfully: %s {'temperature': 96, 'humidity': 94}
Published data Successfully: %s {'temperature': 10, 'humidity': 7}
Published data Successfully: %s {'temperature': -5, 'humidity': 34}
Published data Successfully: %s {'temperature': -2, 'humidity': 9}
Published data Successfully: %s {'temperature': 23, 'humidity': 50}
Published data Successfully: %s {'temperature': 27, 'humidity': 74}
Published data Successfully: %s {'temperature': 55, 'humidity': 1}
Published data Successfully: %s {'temperature': 53, 'humidity': 85}
Published data Successfully: %s {'temperature': 55, 'humidity': 92}
Published data Successfully: %s {'temperature': 56, 'humidity': 32}
Published data Successfully: %s {'temperature': 91, 'humidity': 88}
Published data Successfully: %s {'temperature': -19, 'humidity': 10}
Message received from IBM IoT Platform: lighton
led is on
Message received from IBM IoT Platform: lightoff
led is off
Published data Successfully: %s {'temperature': 50, 'humidity': 64}
Published data Successfully: %s {'temperature': -15, 'humidity': 33}


Node-RED
Deploy
filter nodes
Flow 2
Flow 3
debug
current flow
all
mqtt in
mqtt out
http in
http response
http request
websocket in
websocket out
tcp in
tcp out
tcp request
udp in
udp out
input
ibmiot in
output
IBM IoT
connected
msg payload
ph value
ph value
turbidity
Turbidity
Light off
Light off
IBM IoT
connected
msg payload
mit app
http
17/11/2022, 8:01:50 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : number
678
17/11/2022, 8:01:57 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : Object
{ phvalue: 9, turbidity: 228 }
17/11/2022, 8:01:57 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : number
9
17/11/2022, 8:01:57 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : number
228
17/11/2022, 8:02:04 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : Object
{ phvalue: 13, turbidity: 640 }
17/11/2022, 8:02:04 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : number
13
17/11/2022, 8:02:04 pm node: b9291bf6569ebfd8
iot-2/type/rasperry/id/ras123/evt/status/fmt/json
msg.payload : number
640

Real Time River Water Quality Monitoring System

Smart Switch Board

LIGHT ON

LIGHT OFF

Water Quality Monitoring System