SPRINT 2

Date	November 13, 2022		
Team ID	PNT2022TMID13167		
Project Name	Real-Time River Water Quality		
	Monitoring and Control System		
Maximum Mark			

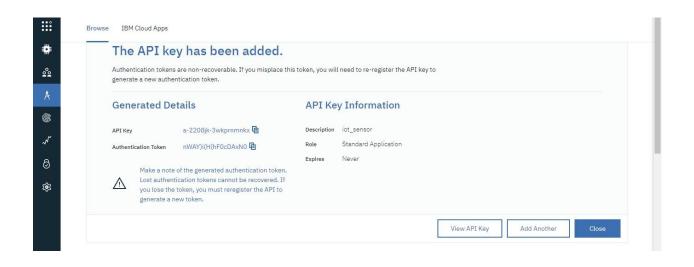
The following steps are involved:

STEP 1: Download and Install node.js.

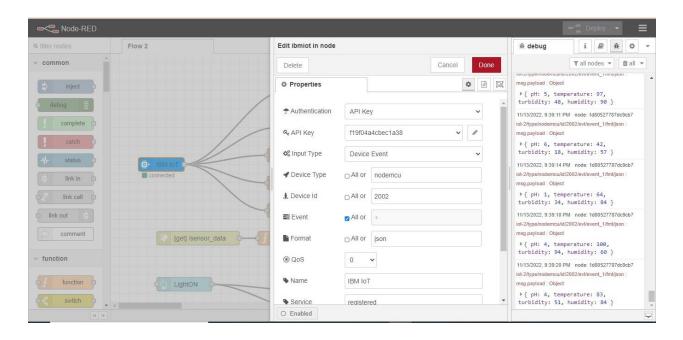


STEP 2: Setup node.js and configure command prompt for error check. Open node-red from the generated link.

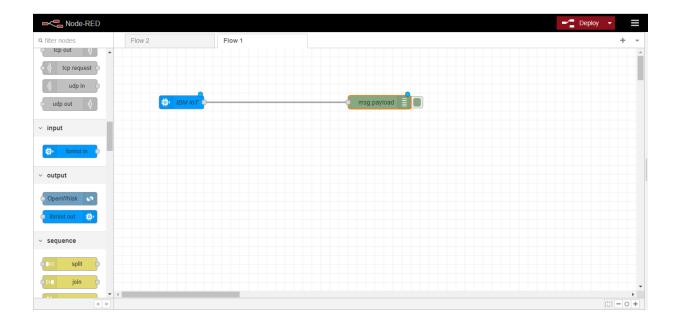
STEP 3: Generating API key and Authentication token.



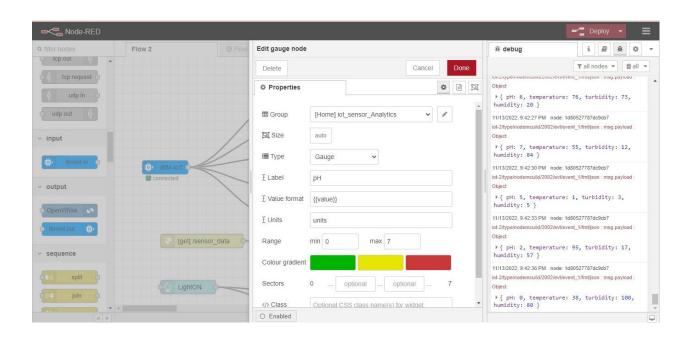
STEP 4: Edit Ibmiot in node.

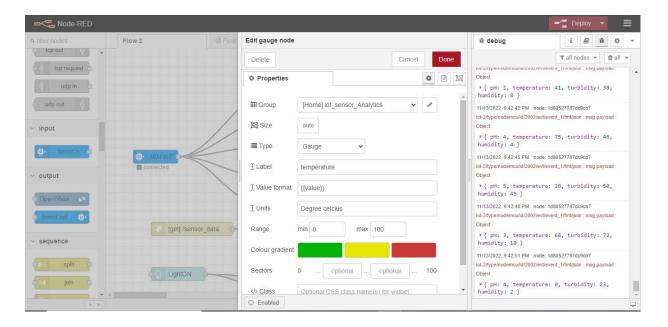


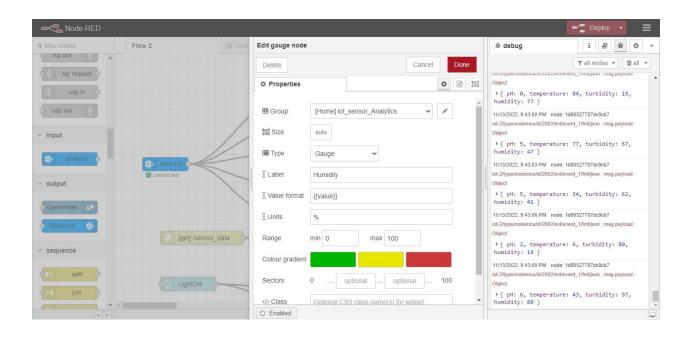
STEP 5: Connect Ibmiot in and debug 1 and deploy.

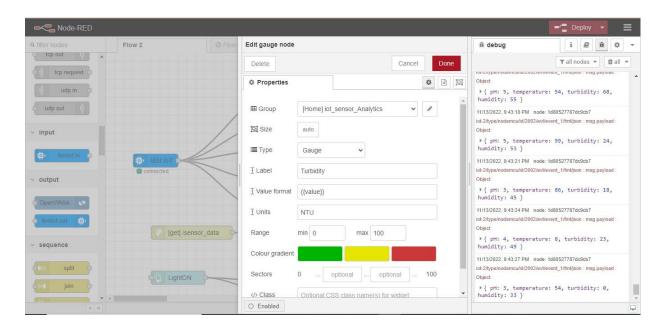


STEP 6: Edit gauge node (here the gauge nodes are named as Temperature, pHand Turbidity).

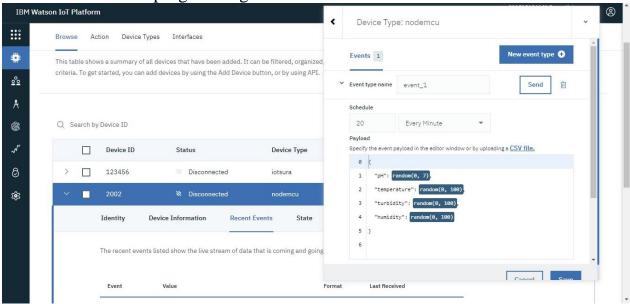




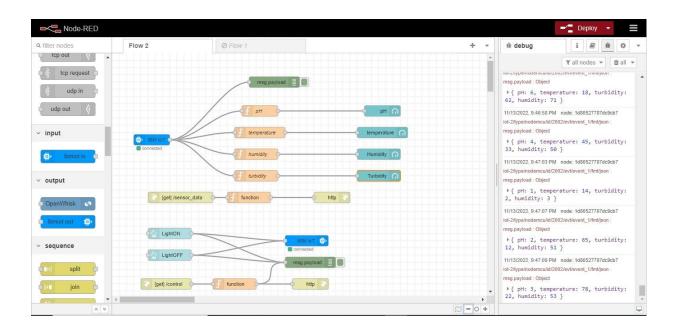




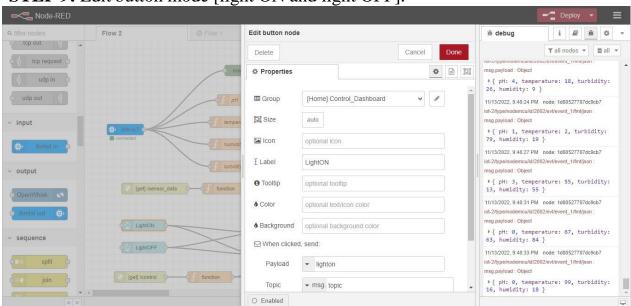
STEP 7: Simulated program to get the random values.



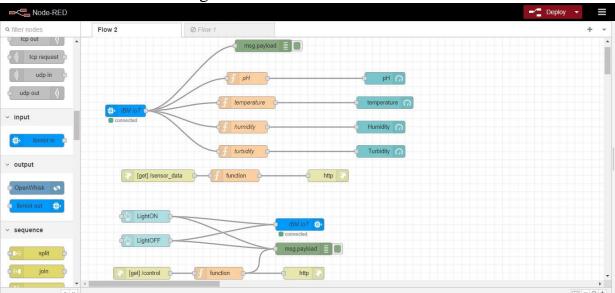
STEP 8: Generate debug message from IBM Watson IoT Platform and connect the nodes.



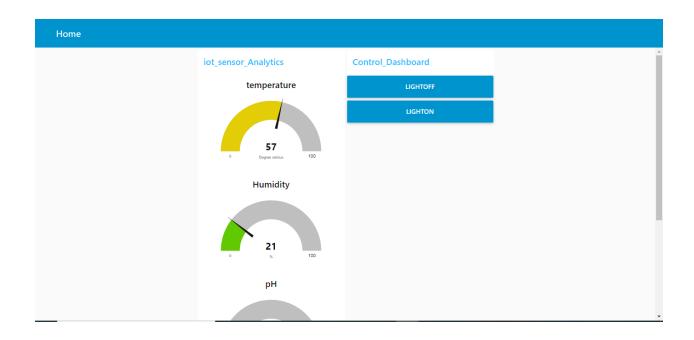
STEP 9: Edit button mode [light ON and light OFF].



STEP 10: Entire flow diagram in Node-RED.



STEP 11: Generate the output from recent events.





STEP 12: Implementing url in the function node to generate output



 $\{\texttt{"temperature":100,"humidity":72,"pH":4,"turbidity":46}\}$