Sprint – 4

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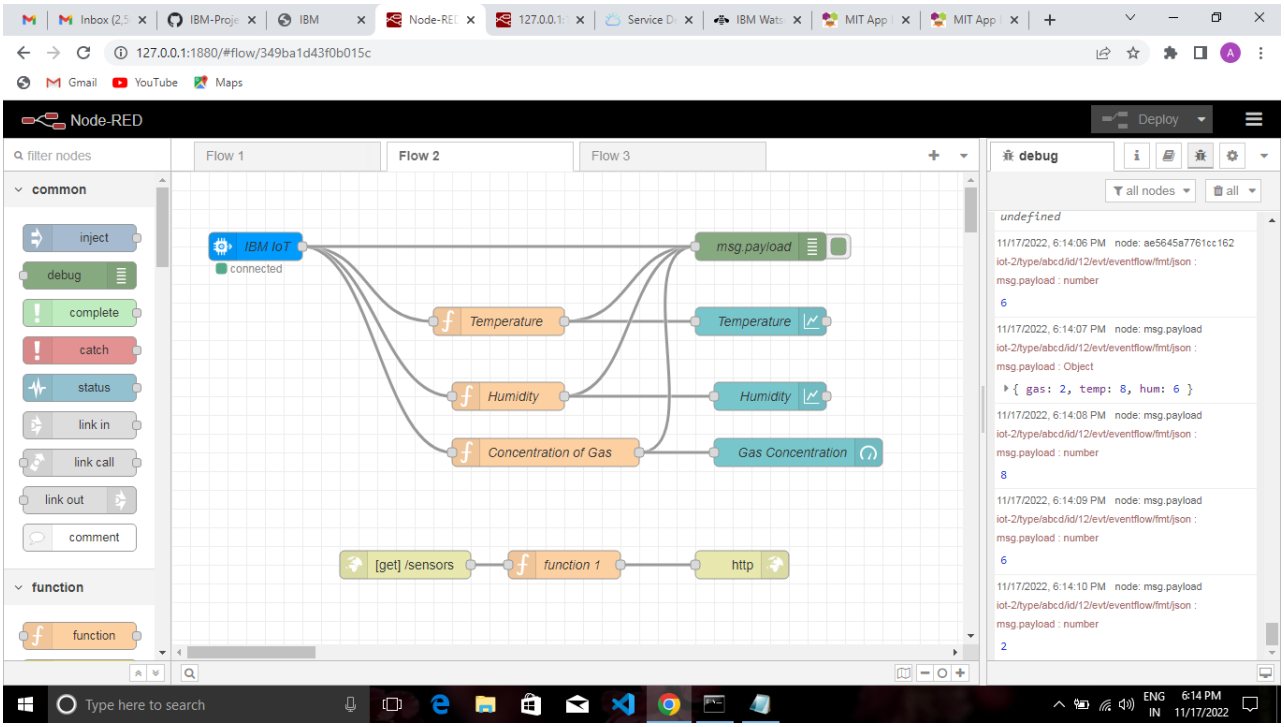
Task:

To receive the data from Node-RED to the Mobile App developed Using MIT App Inventor.

Procedure:

1. In Node-RED **http** node is added to post the data gathered from IBM Watson IoT Platform to a webpage.
2. Screen – 3 is developed to gather data from the website where the data is published by Node-RED.
3. In case of abnormal environmental conditions. An alert message is generated by MIT App.

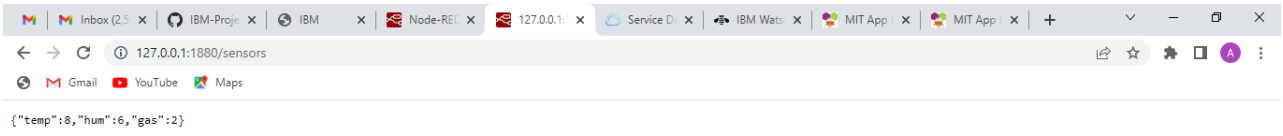
1. Node-RED:



Function1 in node-red:

This function is responsible to post the sensor data to the webpage from where the data is gathered by MIT App.

2. Web page:



3. MIT App:

Blocks for screen 3 has been developed.

Blocks are capable of generatingnotification when,

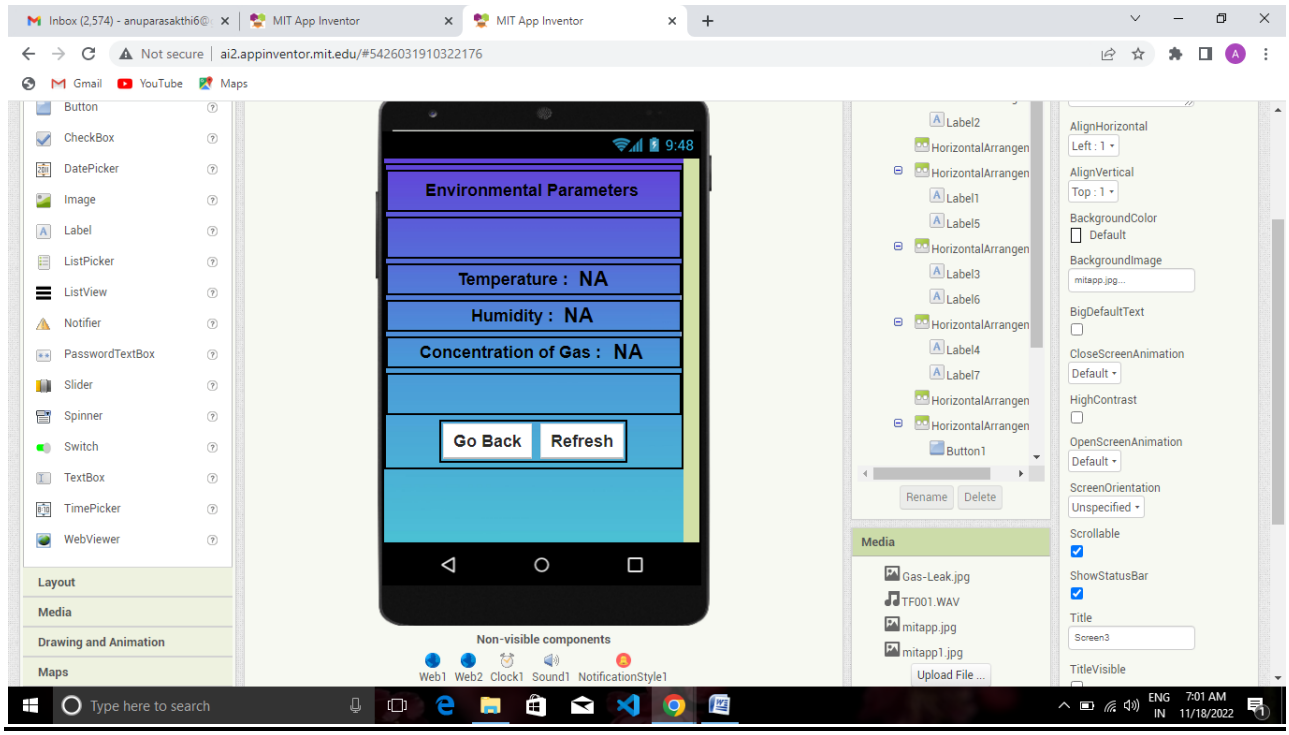
Temperature is greater than40℃

Humidity is greater than 30%

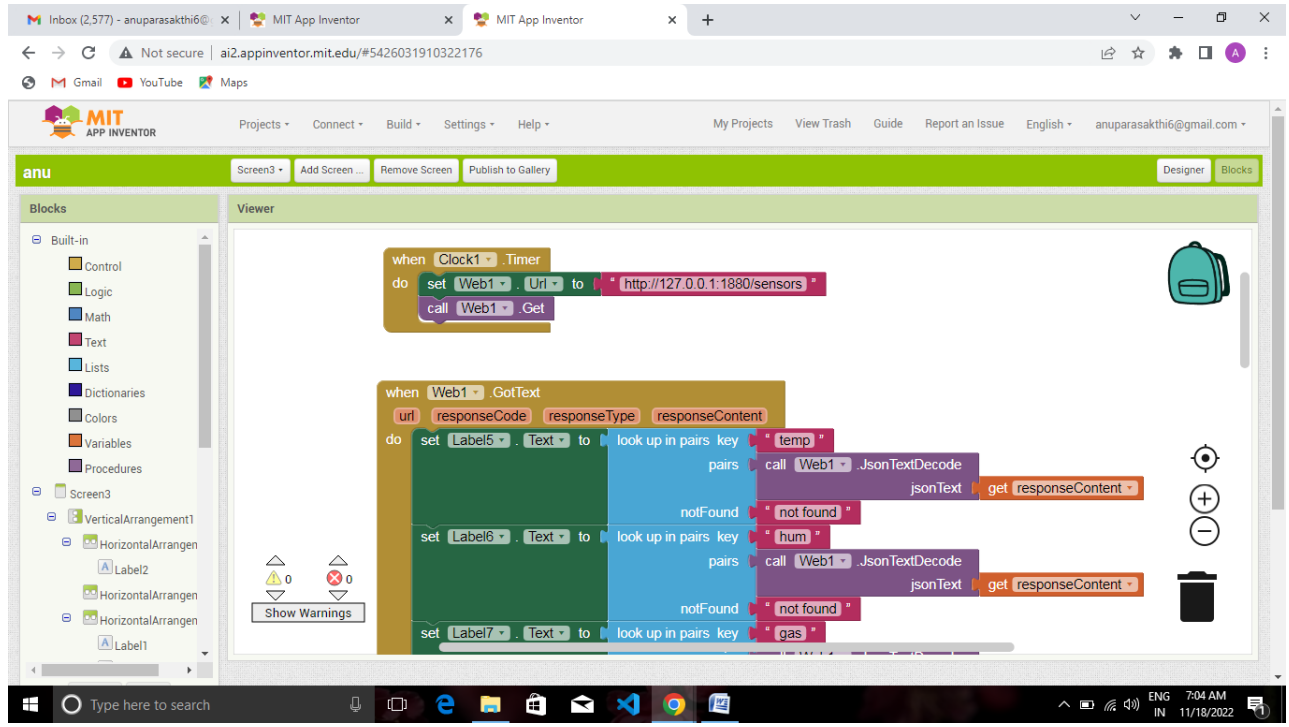
Concentration of gas is greaterthan 50%

Not only notification, this also rings an alarm whenever abnormal

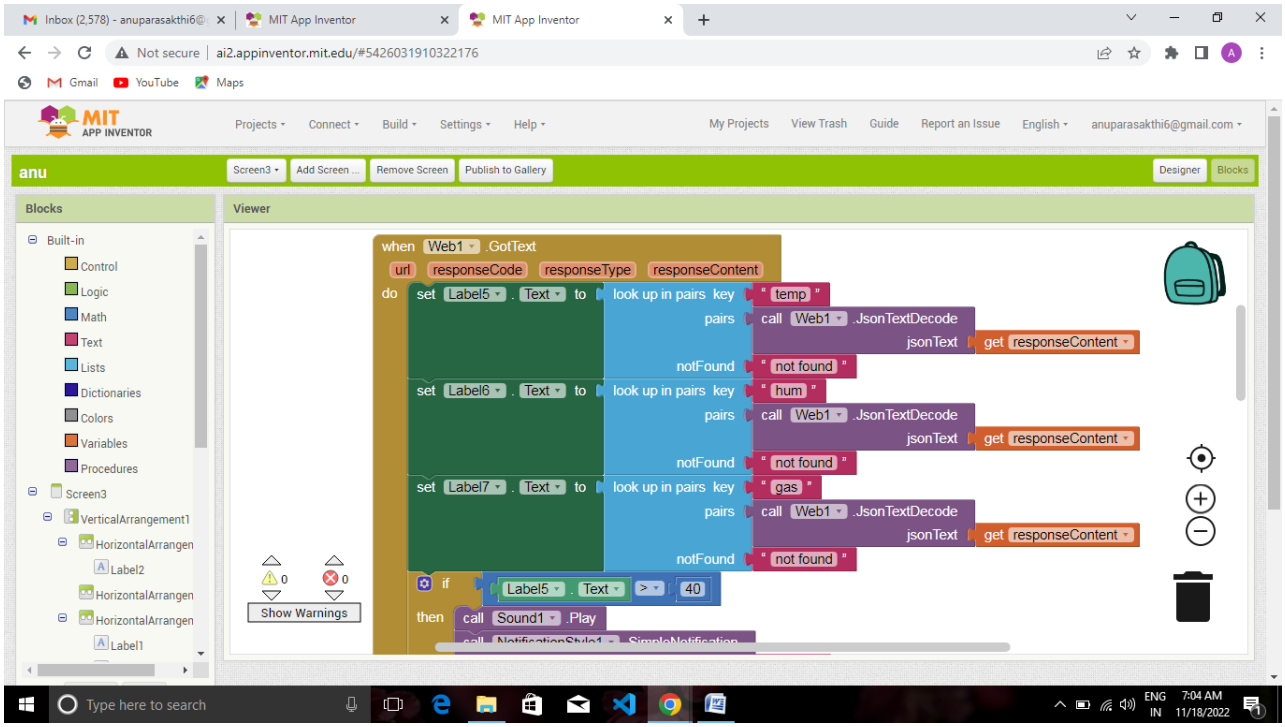
Screen3:

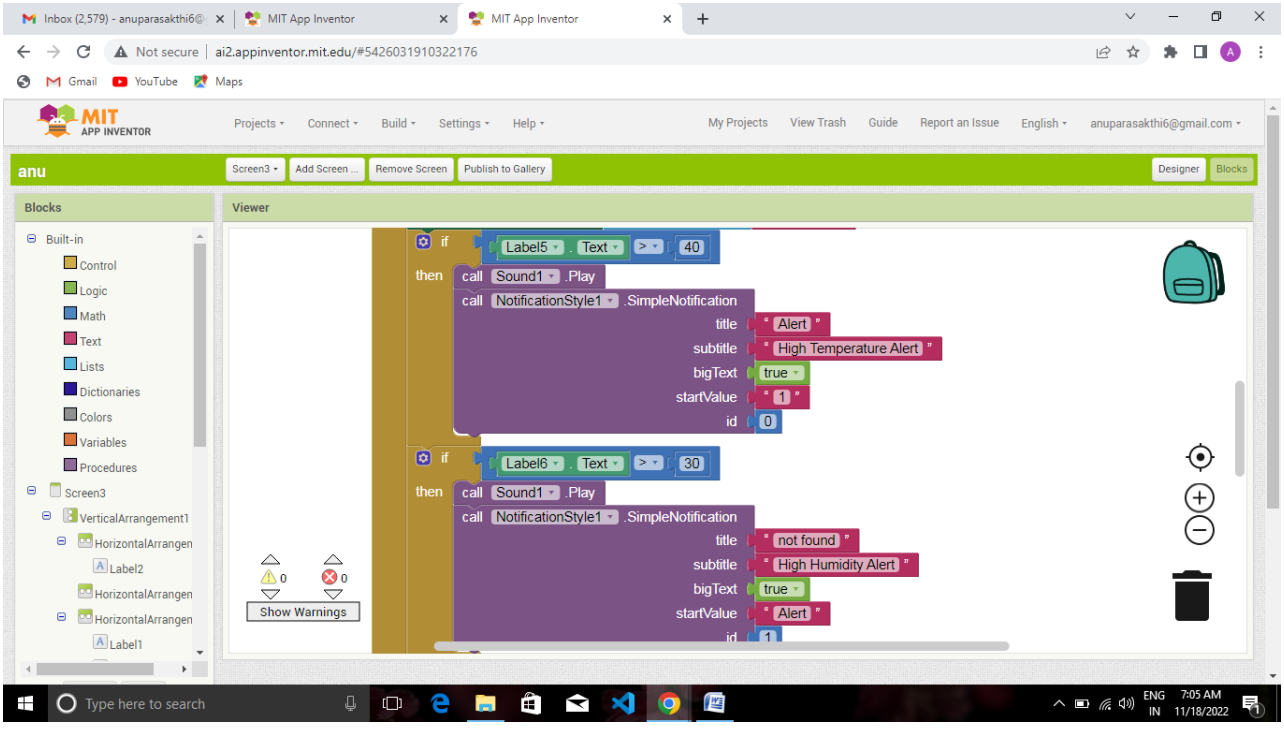


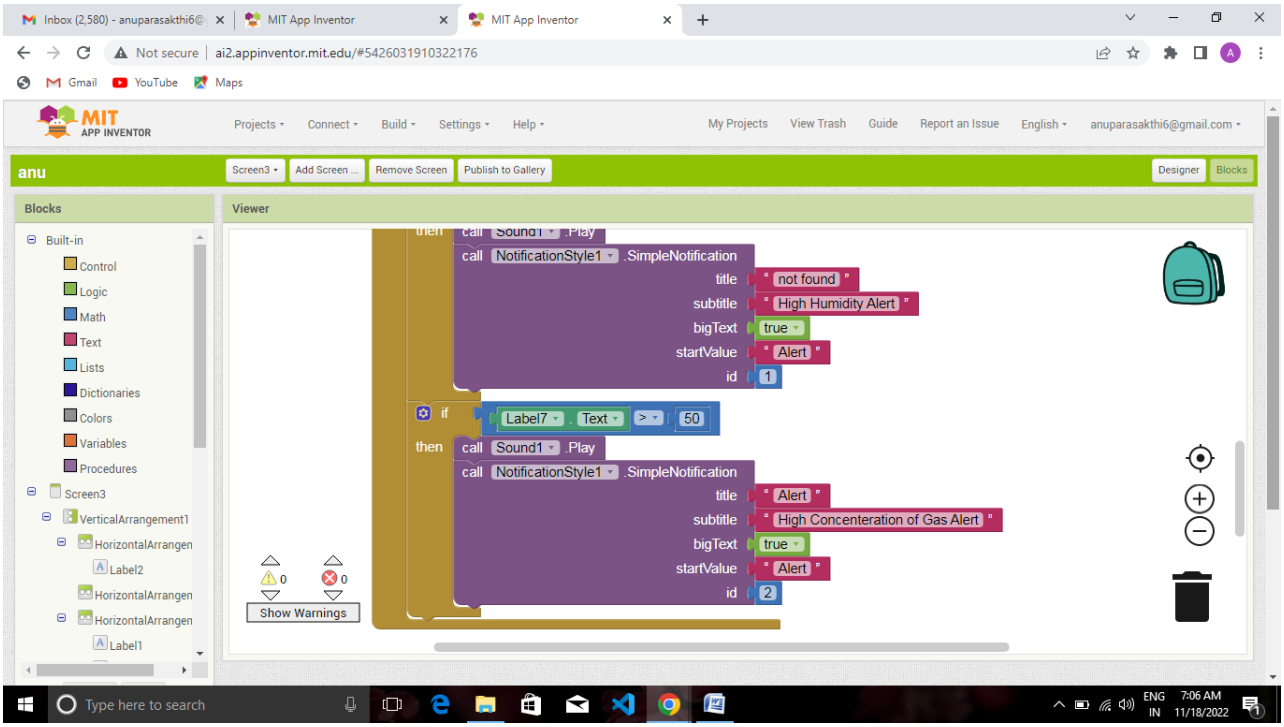
Screen3 Blocks:

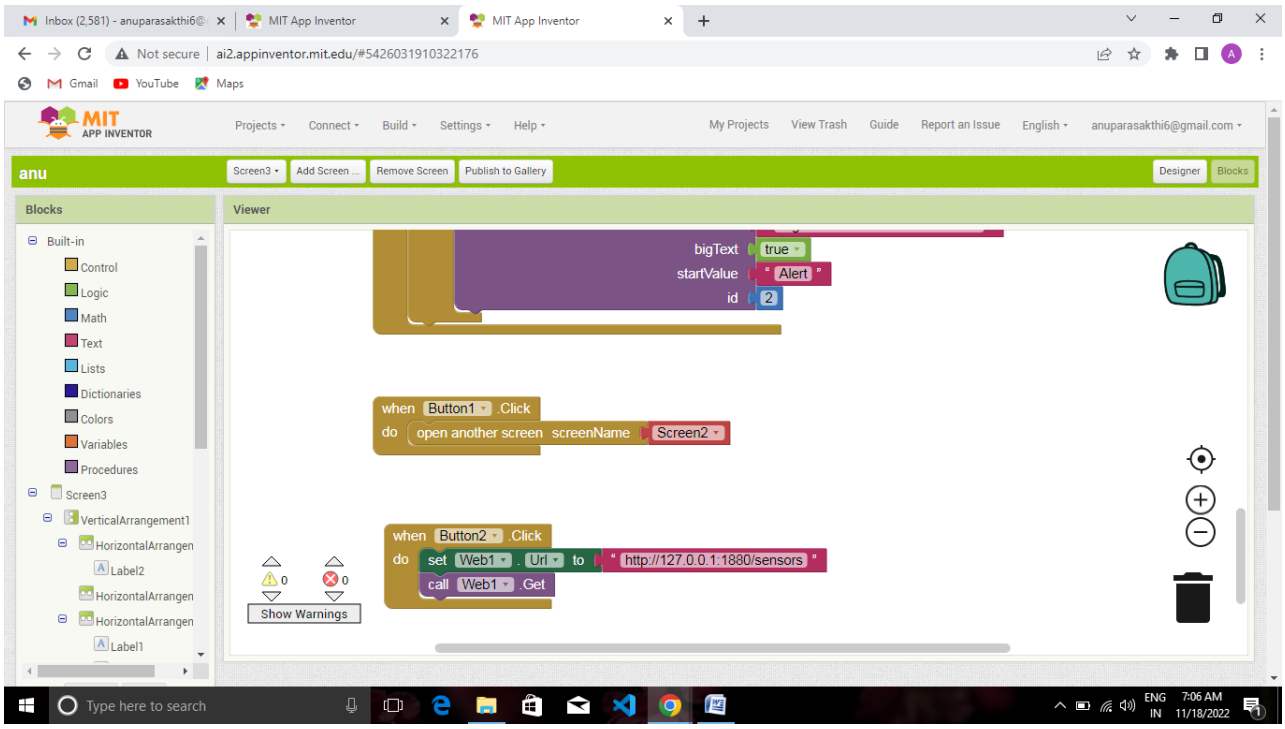


Screen 3 (Blocks):



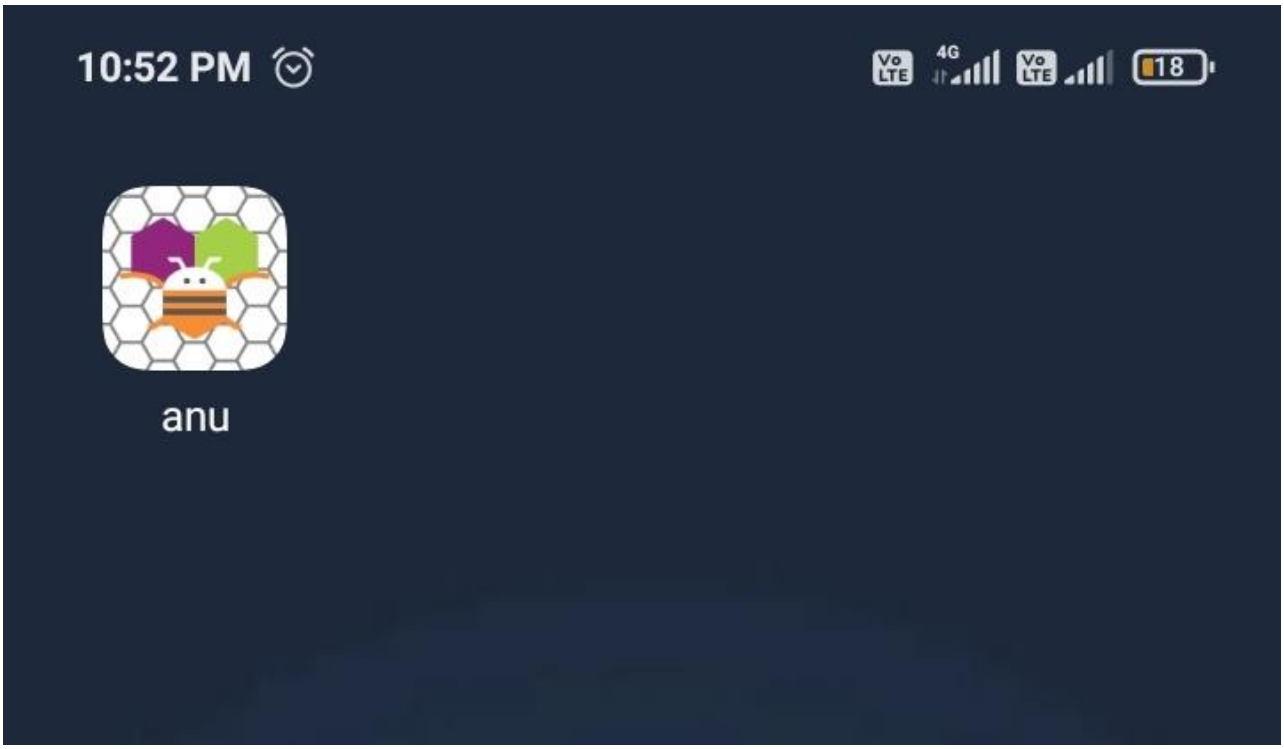






These above written blocks are responsible for bringing the data to the mobile app and to generate alarms incase of emergency.

Application in Mobile:



Screen3 in Mobile: