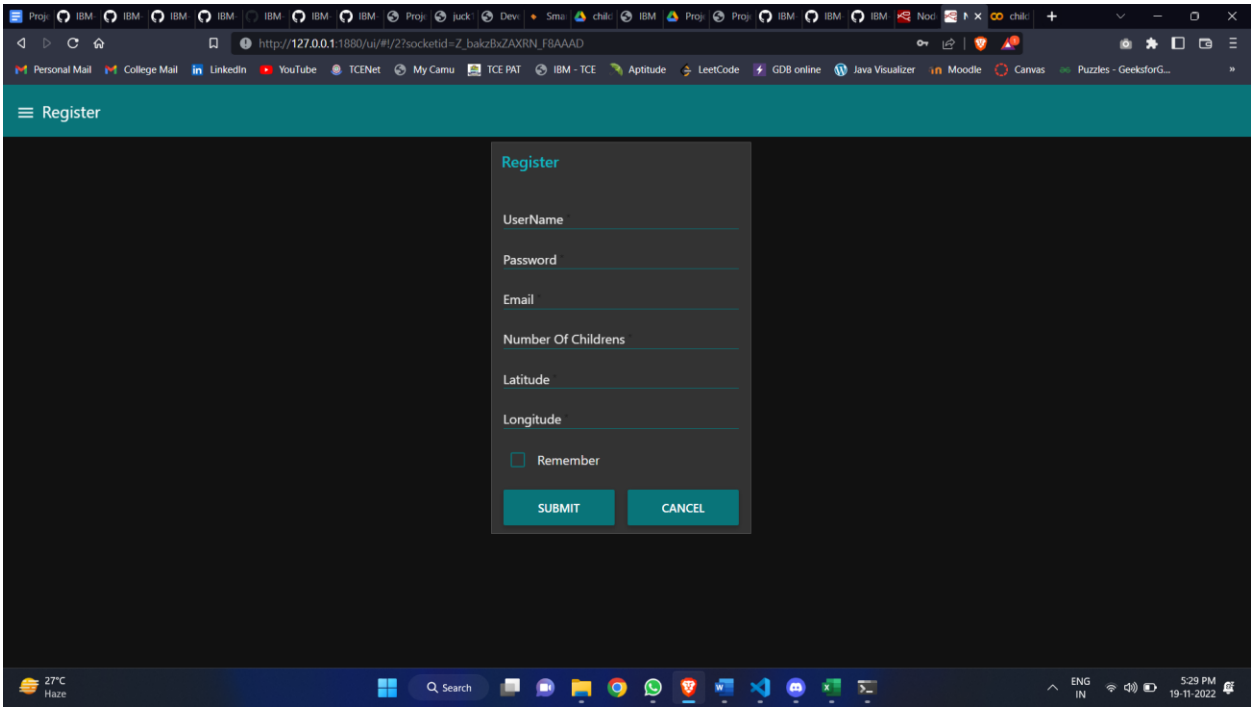
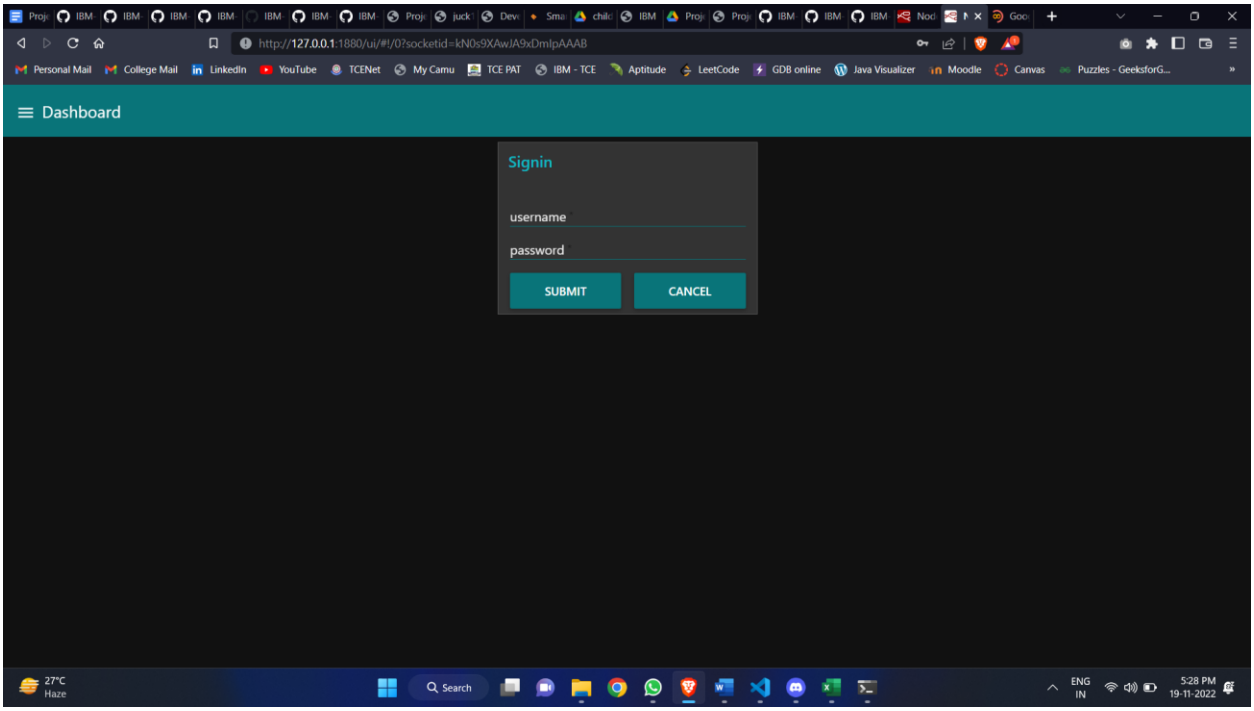
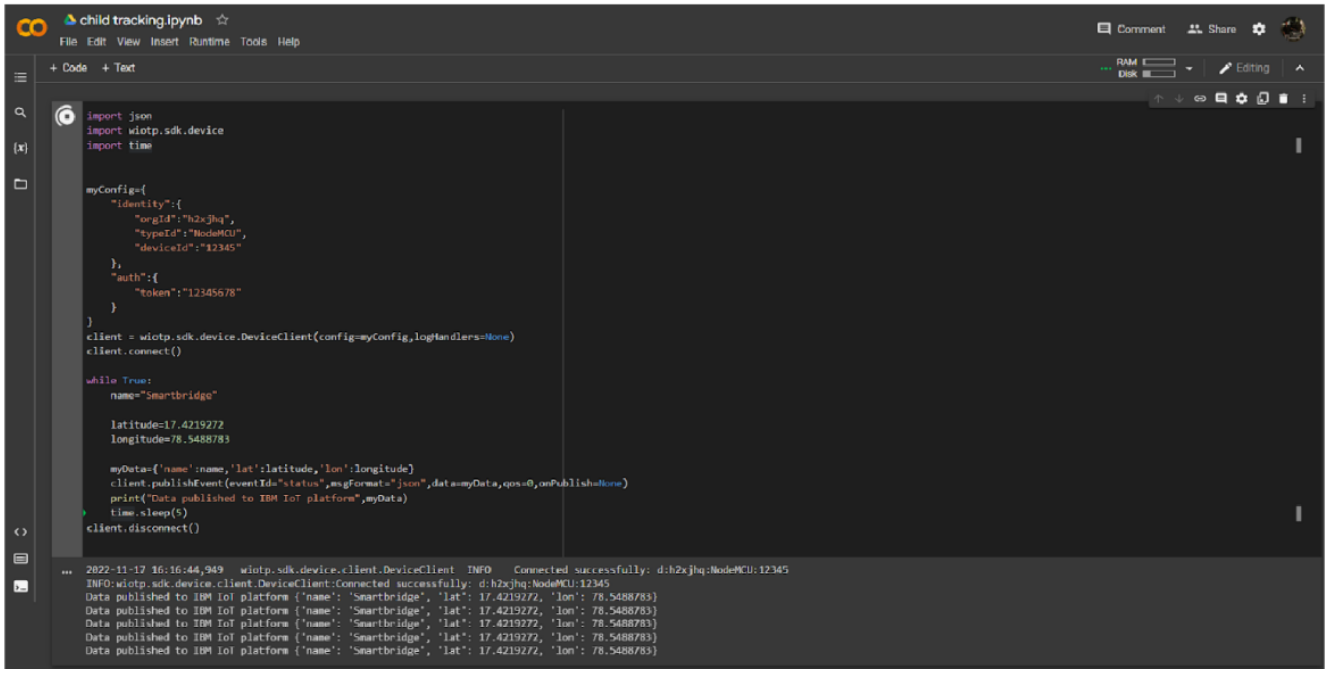
Web Application Development using NODE-RED

Team ID	PNT2022TMID21482
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification






child tracking.ipynb
File Edit View Insert Runtime Tools Help
Comment
Share
+ Code
+ Text
RAM
Disk
Editing
import json
import wiotp.sdk.device
import time
myConfig={
"identity":{
"orgId":"h2xjhq",
"typeId":"NodeMCU",
"deviceId":"12345"
},
"auth":{
"token":"12345678"
}
}
client = wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=None)
client.connect()
while True:
name="Smartbridge"
latitude=17.4219272
longitude=78.5488783
myData={'name':name,'lat':latitude,'lon':longitude}
client.publishEvent(eventId="status",msgFormat="json",data=myData,qos=0,onPublish=None)
print("Data published to IBM IoT platform",myData)
time.sleep(5)
client.disconnect()
2022-11-17 16:16:44,949 wiotp.sdk.device.client.DeviceClient INFO Connected successfully: d:h2xjhq:NodeMCU:12345
INFO:wiotp.sdk.device.client.DeviceClient:Connected successfully: d:h2xjhq:NodeMCU:12345
Data published to IBM IoT platform {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783}
Data published to IBM IoT platform {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783}
Data published to IBM IoT platform {'name': 'Smartbridge', 'lat': 17.4219272, 'lon': 78.5488783}
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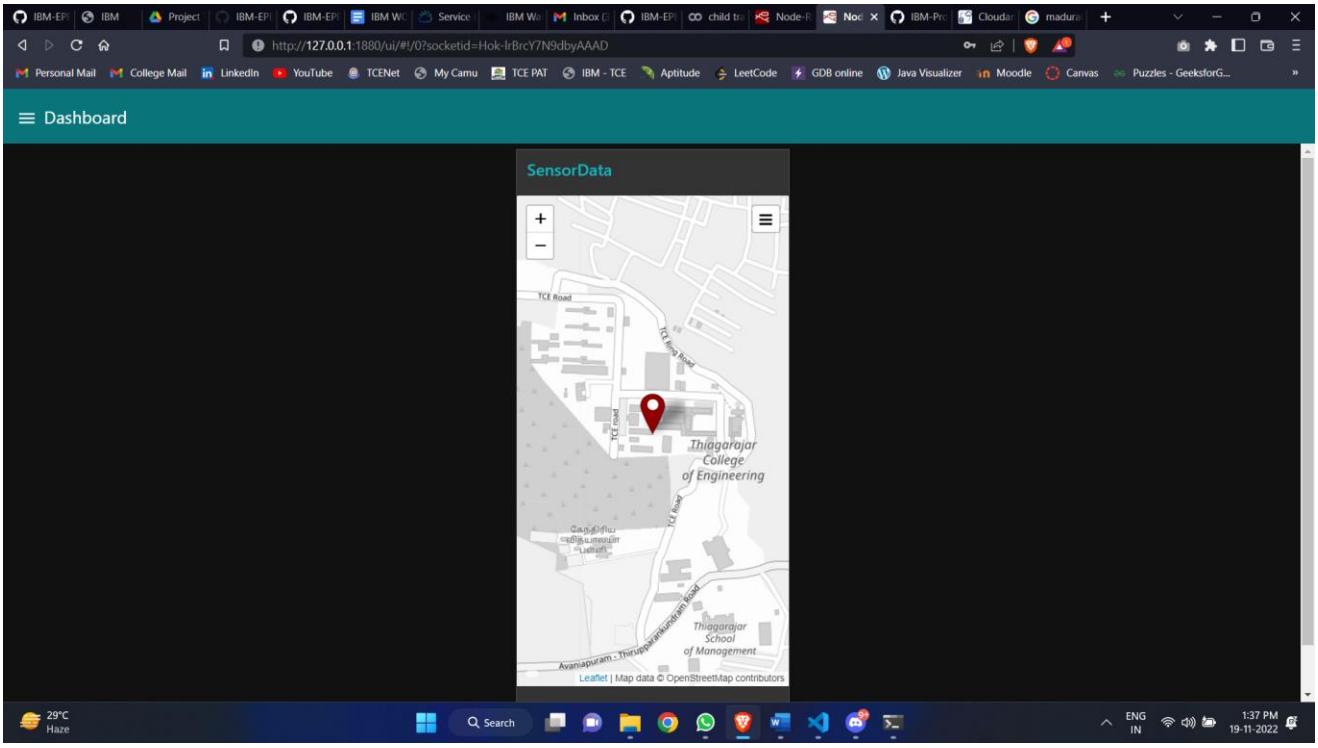
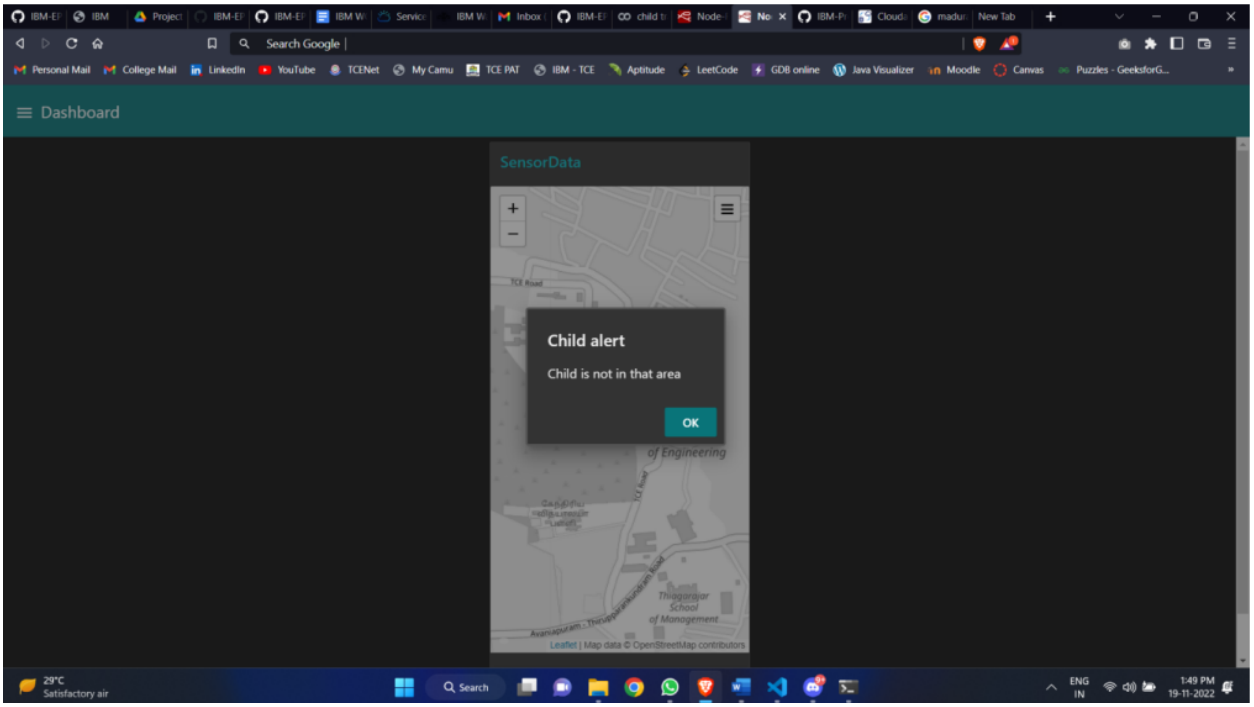

http://127.0.0.1:1880/ui/#!/0?socketid=Hok-lrBrcY7N9dbyAAAD
Personal Mail
College Mail
LinkedIn
YouTube
TCENet
My Camu
TCE PAT
IBM - TCE
Aptitude
LeetCode
GDB online
Java Visualizer
Moodle
Canvas
Dashboard
SensorData
TCE Road
TCE Ring Road
TCE road
Thiagarajar College of Engineering
Thiagarajar School of Management
Leaflet | Map data © OpenStreetMap contributors
29°C
Haze
Search
ENG
IN
1:37 PM
19-11-2022


Dashboard
SensorData
Child alert
Child is not in that area
OK
of Engineering
Thiagarajar School of Management
Leaflet | Map data © OpenStreetMap contributors

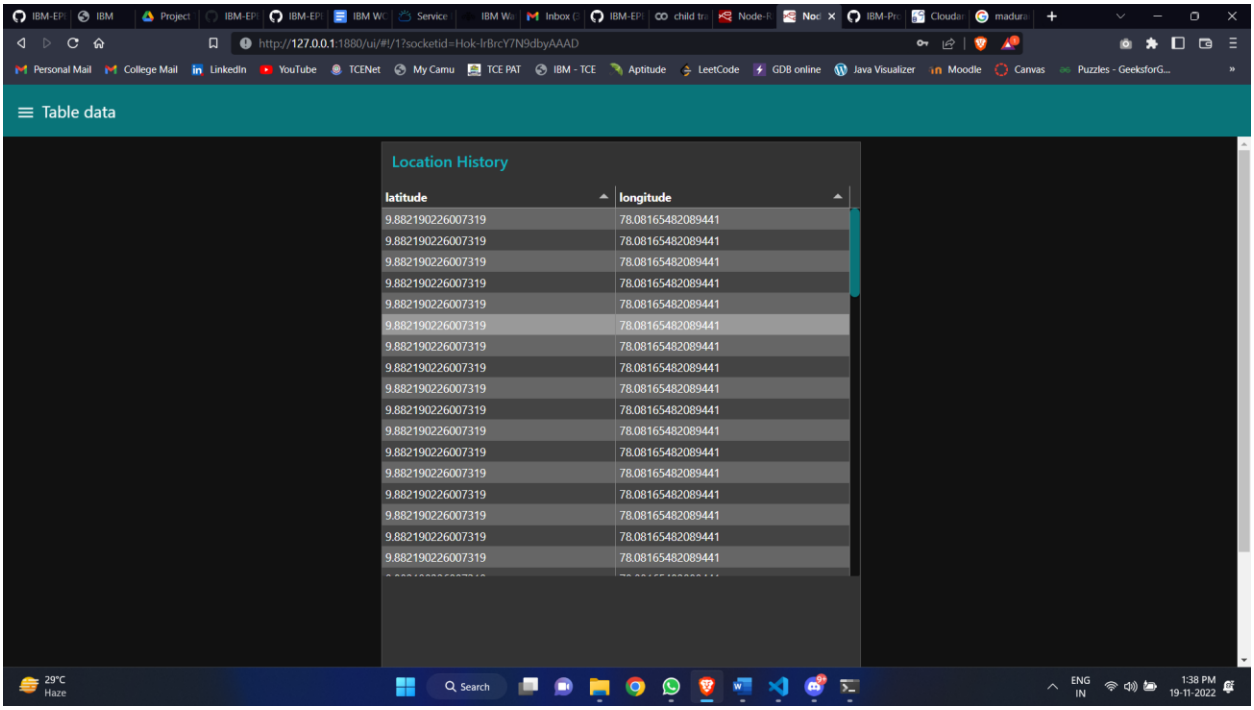
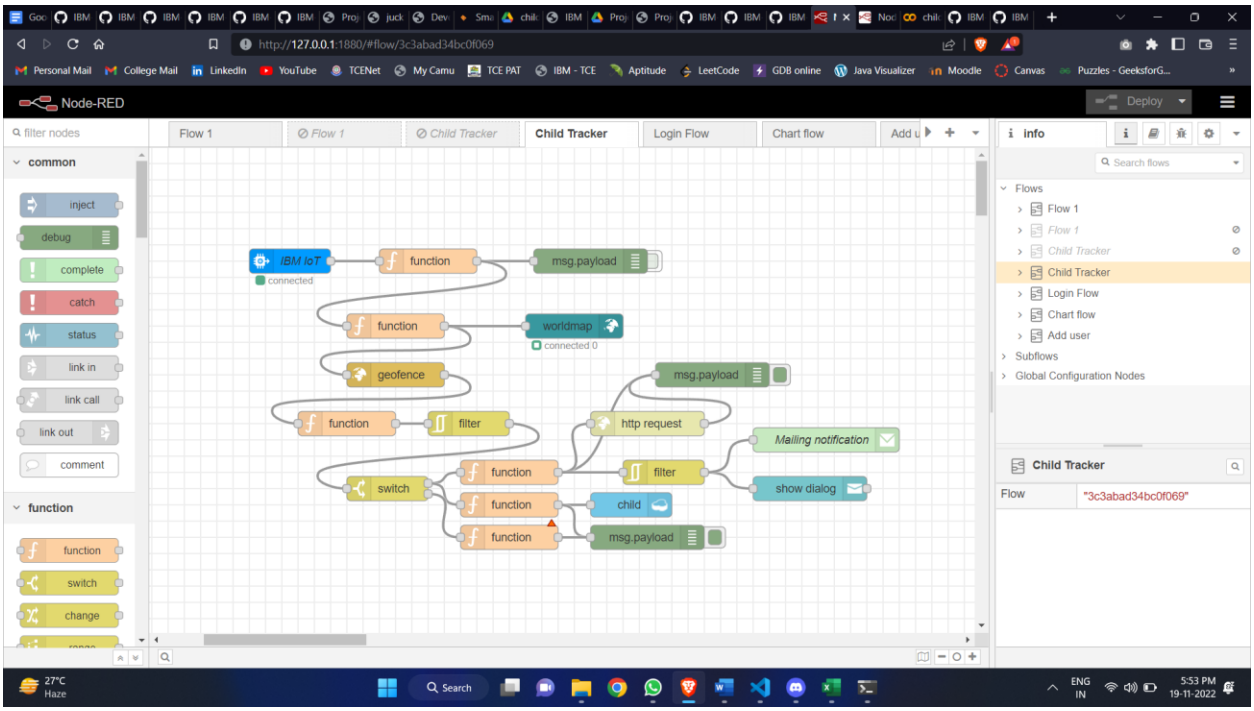
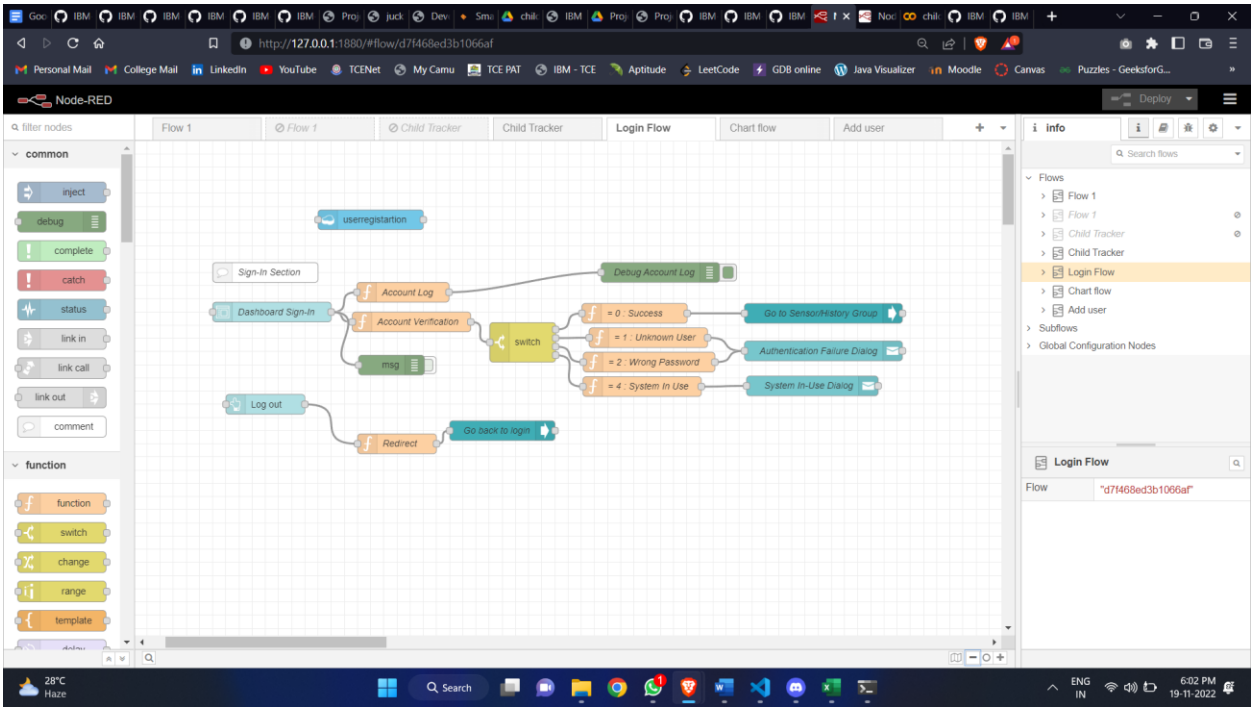
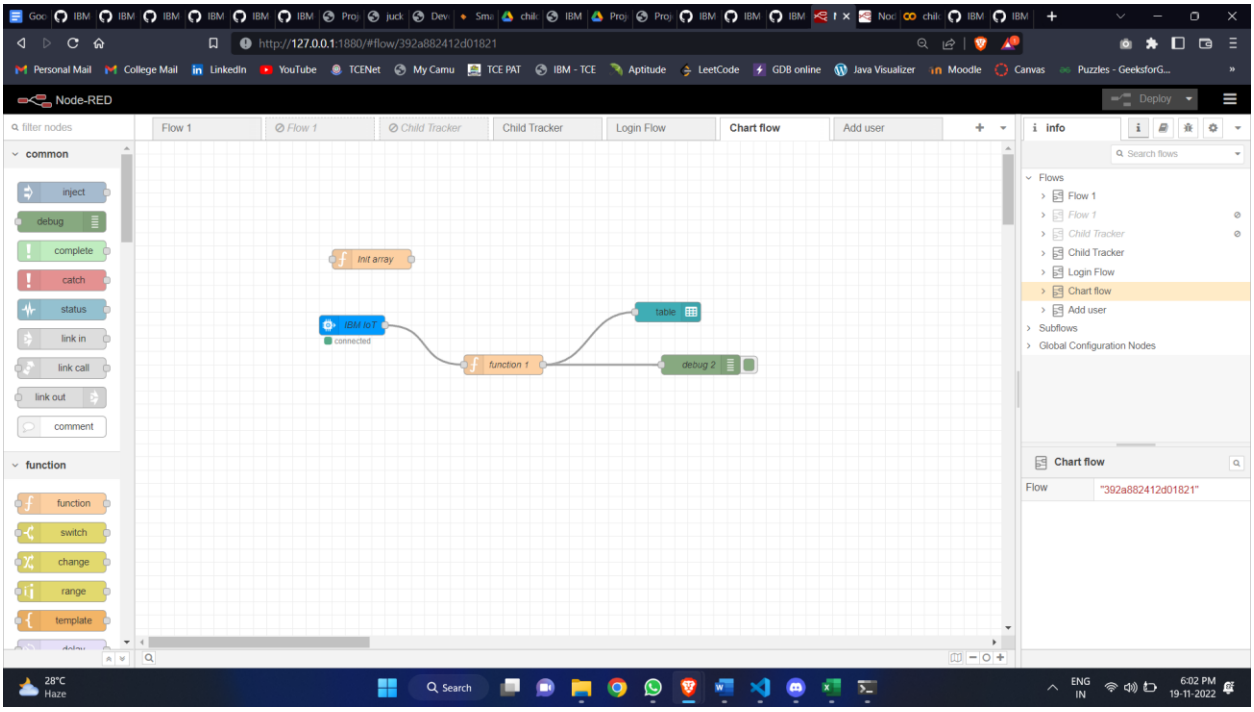
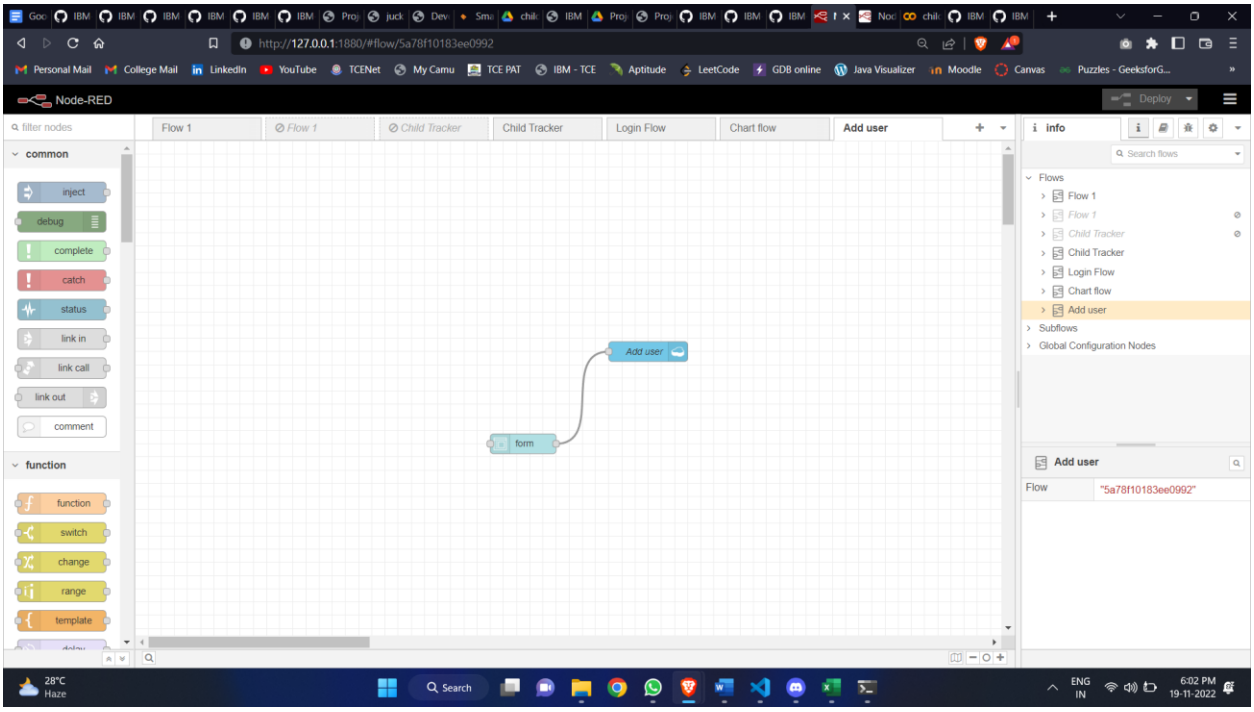


Table data
Location History
latitude
longitude
9.882190226007319
78.08165482089441


http://127.0.0.1:1880/#flow/3c3abad34bc0f069
Node-RED
Deploy
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
info
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
switch
change
IBM IoT
connected
function
msg.payload
worldmap
connected 0
geofence
filter
http request
Mailing notification
filter
show dialog
child
Flows
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
Subflows
Global Configuration Nodes
Child Tracker
Flow
"3c3abad34bc0f069"
27°C
Haze
Search
ENG
IN
5:53 PM
19-11-2022


http://127.0.0.1:1880/#flow/d7f468ed3b1066af
Node-RED
Deploy
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
info
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
switch
change
range
template
userregistartion
Sign-In Section
Dashboard Sign-In
Account Log
Account Verification
msg
switch
Debug Account Log
= 0 : Success
= 1 : Unknown User
= 2 : Wrong Password
= 4 : System In Use
Go to SensorHistory Group
Authentication Failure Dialog
System In-Use Dialog
Log out
Redirect
Go back to login
Flows
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
Subflows
Global Configuration Nodes
Login Flow
Flow
"d7f468ed3b1066af"
28°C
Haze
Search
ENG
IN
6:02 PM
19-11-2022


http://127.0.0.1:1880/#flow/392a882412d01821
Node-RED
Deploy
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
info
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
template
Init array
IBM IoT
connected
function 1
table
debug 2
Flows
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
Subflows
Global Configuration Nodes
Chart flow
Flow
"392a882412d01821"
28°C
Haze
Search
ENG
IN
6:02 PM
19-11-2022


http://127.0.0.1:1880/#flow/5a78f10183ee0992
Node-RED
Deploy
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
info
common
inject
debug
complete
catch
status
link in
link call
link out
comment
function
function
switch
change
range
template
Add user
form
Flows
Flow 1
Child Tracker
Login Flow
Chart flow
Add user
Subflows
Global Configuration Nodes
Add user
Flow
"5a78f10183ee0992"
28°C
Haze
Search
ENG
IN
6:02 PM
19-11-2022