CREATE IBM WATSON IOT PLATFORM AND DEVICE

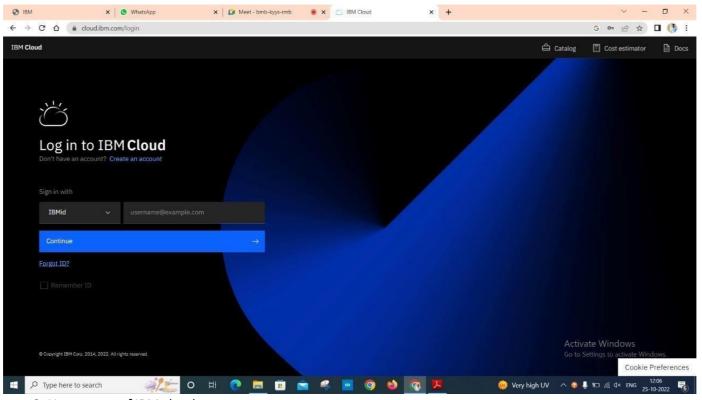
Date	25 October 2022
Team ID	PNT2022TMID01909
Project Name	Gas leakage monitoring and alerting system for
	industries

AIM:

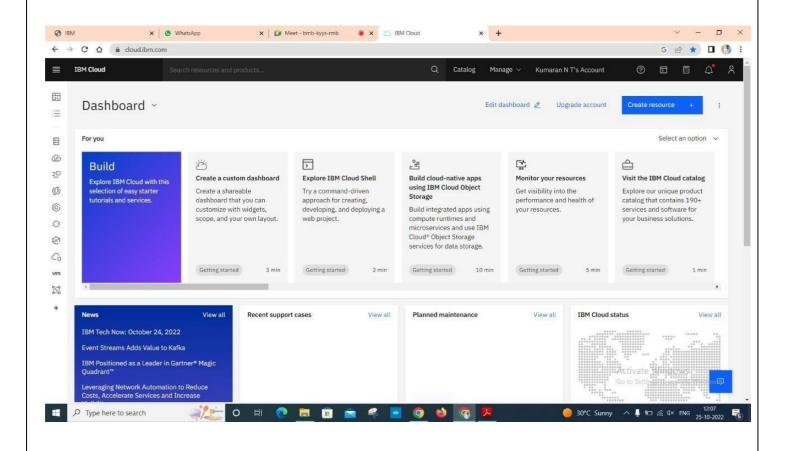
To create the IBM Watson IoT platform and device.

Steps to be followed

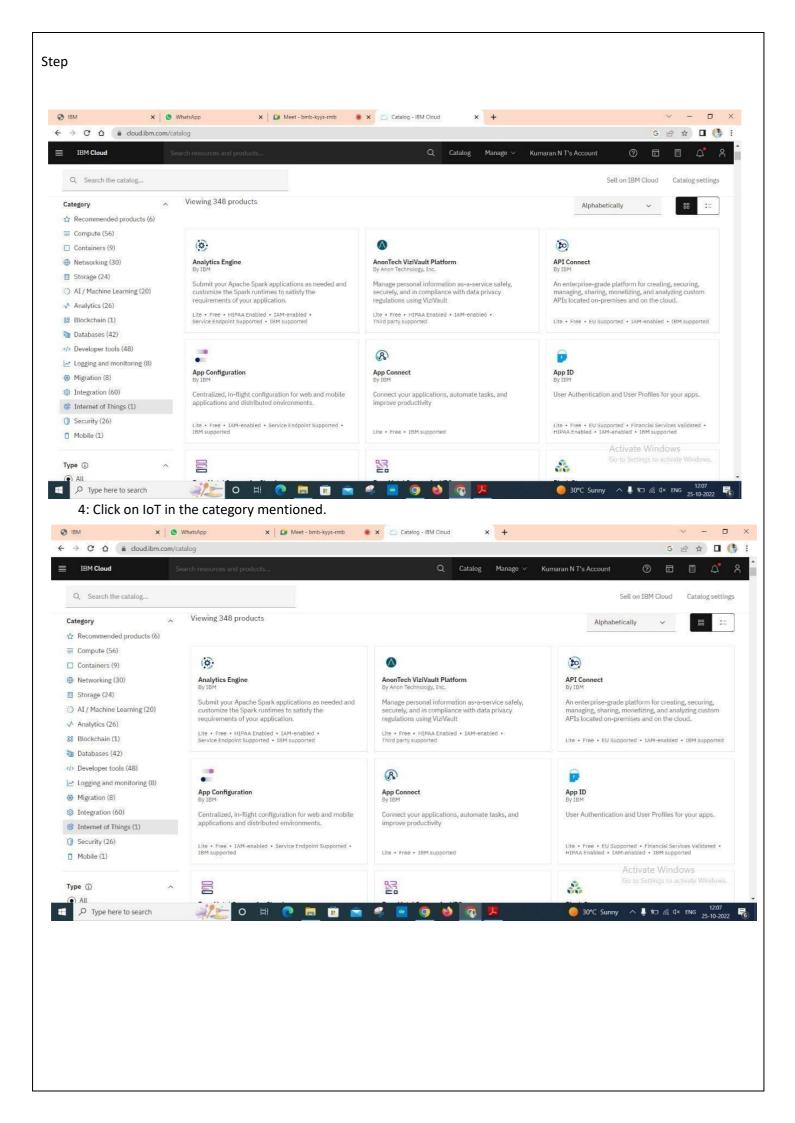
Step 1: Firstly, create an IBM cloud account with IBM id and password.



2: Home page of IBM cloud.



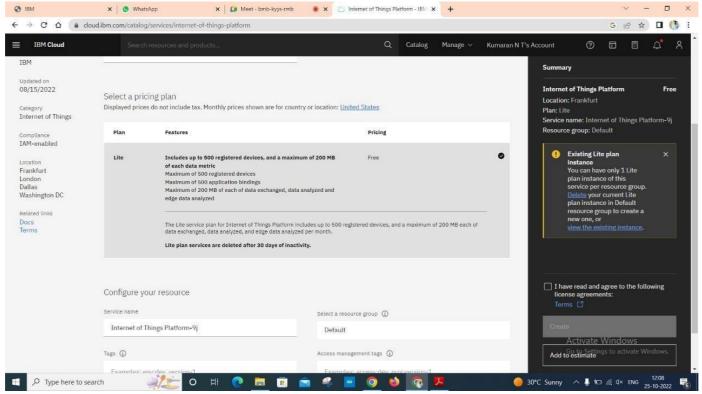
Step 3: Click on the catalog on the top.



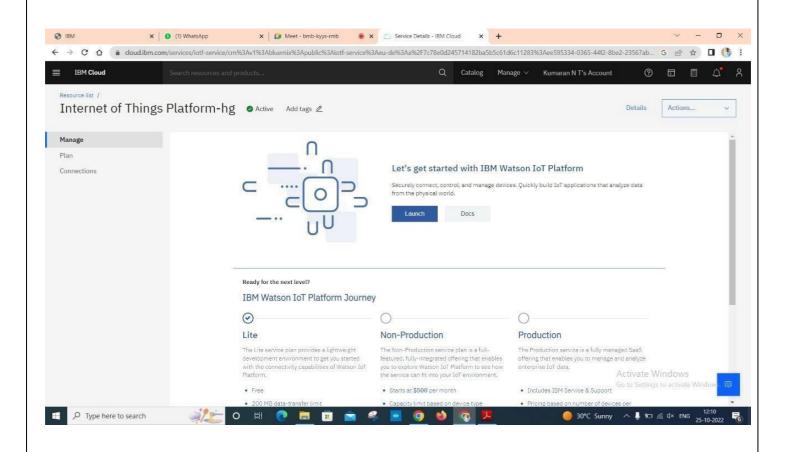
Step Step 5: Click on Internet of Things Platform. × S WhatsApp 🗙 🔝 Meet - bmb-kyys-rmb 🐞 🗶 👛 Catalog - IBM Cloud × + - o × ← → C ♠ cloud.ibm.com/catalog?category=iot G @ # 0 () : IBM Cloud Q Search the catalog... Sell on IBM Cloud Catalog settings internet of Things × Internet of Things Alphabetically 80 II Type ① Viewing 1 product (All Services Filters: Internet of Things × Clear all Software O Professional services 句 Internet of Things Platform Provider ☐ IBM (1) This service is the hub of all things IBM IoT, it is where you can set up and manage your connected devices so that your apps can access their live and historical data. Pricing plan (i) Lite • Free • IAM-enabled • IBM supported Lite Free Compliance ☐ IAM-enabled Learn more 🎉 O 🖽 💽 🖫 💼 🛸 6: If already a lite is present delete it else u can't create another. × S WhatsApp x Meet - bmb-kyys-rmb 8 x 5 Internet of Things Platform - IBM x + \leftarrow \rightarrow \mathbf{C} $\stackrel{\bullet}{\Delta}$ cloud.ibm.com/catalog/services/internet-of-things-platform G 🖻 🖈 🛛 🥞 : IBM Cloud Summary Internet of Things Platform Free 08/15/2022 Select a pricing plan Location: Frankfurt Displayed prices do not include tax. Monthly prices shown are for country or location: <u>United States</u> Category Internet of Things Service name: Internet of Things Platform-9j Resource group: Default 1 Existing Lite plan instance
You can have only 1 Lite plan instance of this service per resource group.
Delete your current Lite plan instance in Default resource group to create a Includes up to 500 registered devices, and a maximum of 200 MB of each data metric

Maximum of 500 registered devices Location Frankfurt Maximum of 500 application bindings Dallas Washington DC Maximum of 200 MB of each of data exchanged, data analyzed and resource group to create a new one, or Docs The Lite service plan for Internet of Things Platform includes up to 500 registered devices, and a maximum of 200 MB each of data exchanged, data analyzed, and edge data analyzed per month. Lite plan services are deleted after 30 days of inactivity. I have read and agree to the following license agreements: Configure your resource Service name Select a resource group (i) Internet of Things Platform-9j Default Activate Windows Access management tags (i) Tags ① Add to estimate 🥝 🧓 🌖 ы Type here to search

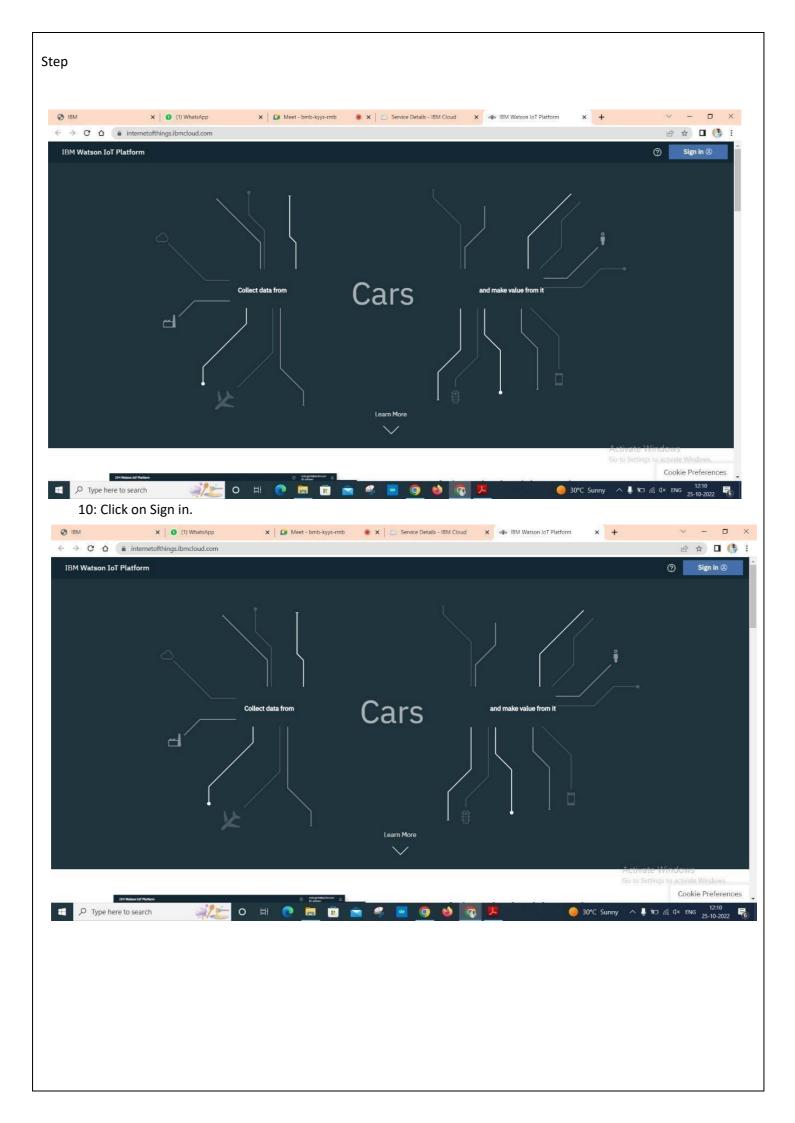
Step 7: Tick agreements and then click on create.



8: Click on the launch button.

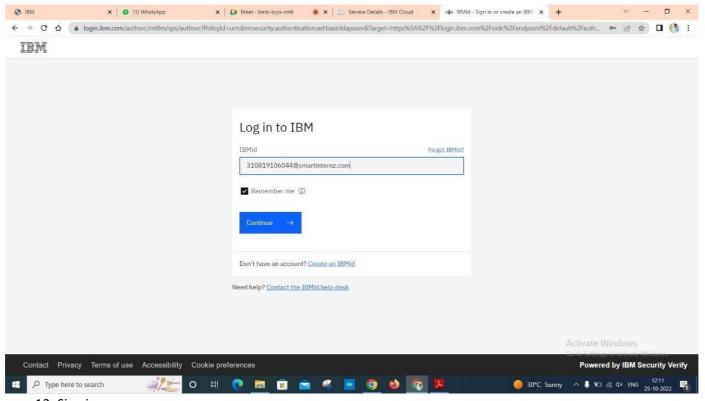


Step 9: After clicking on the launch button this tab will open.

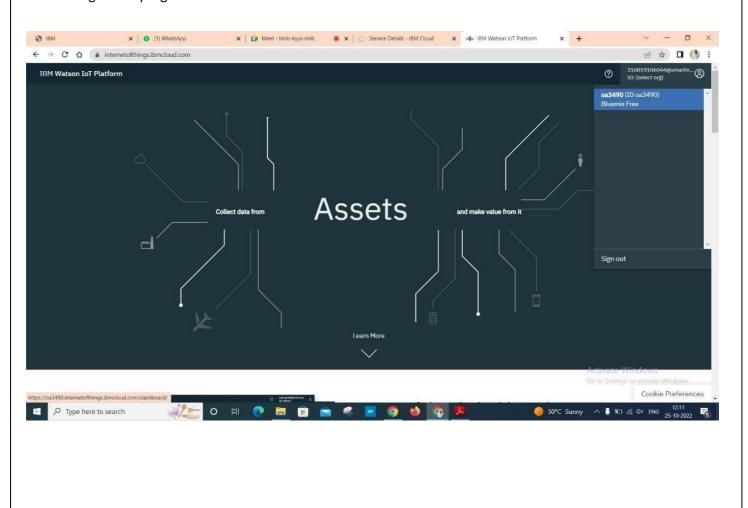


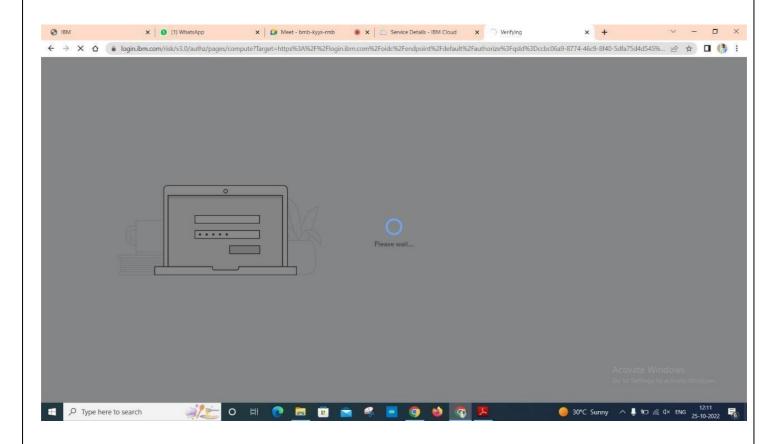


Step 11: Fill the login details.

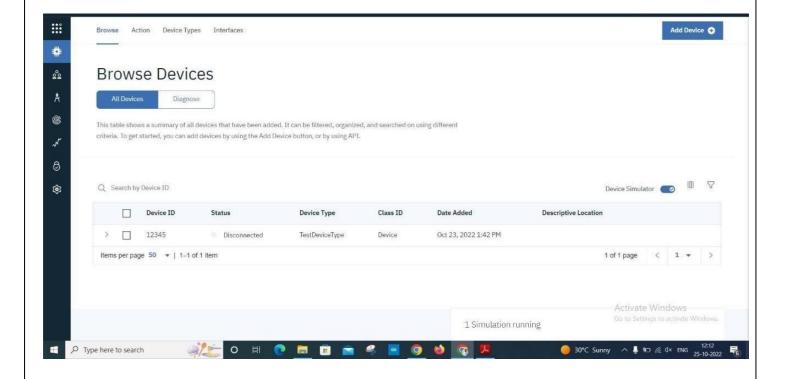


12: Sign in on progress.

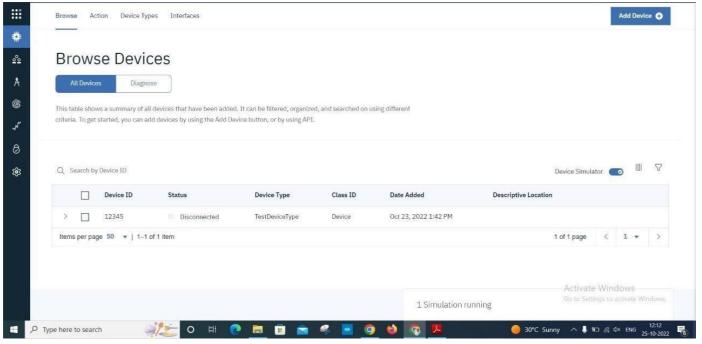




- Step 13: Once it id logged in, the name will be displayed click on it and then click on Bluemix Free.
 - 14: This is the IBM Watson platform.

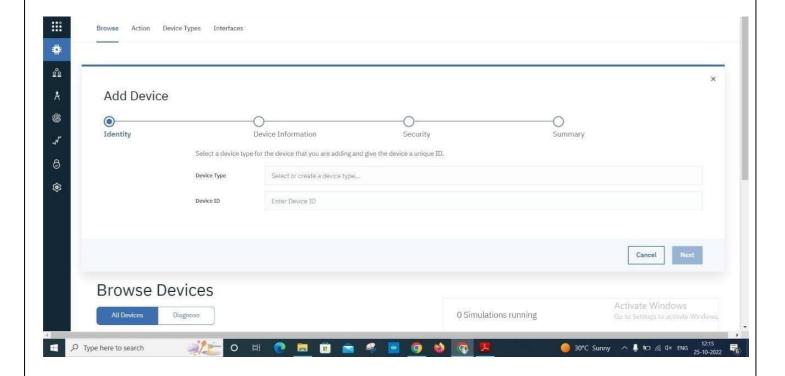


Step 15: Click on Add Device.

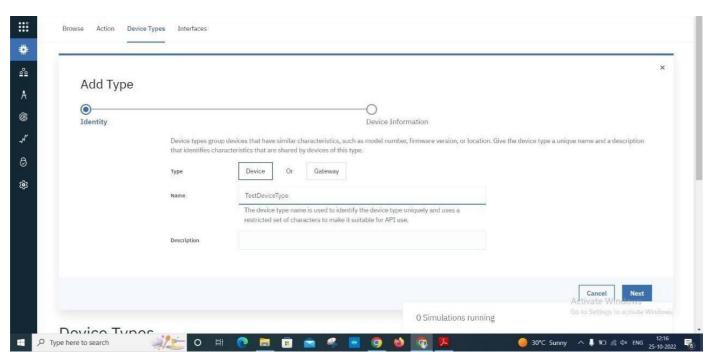


16: Click on Device Type.

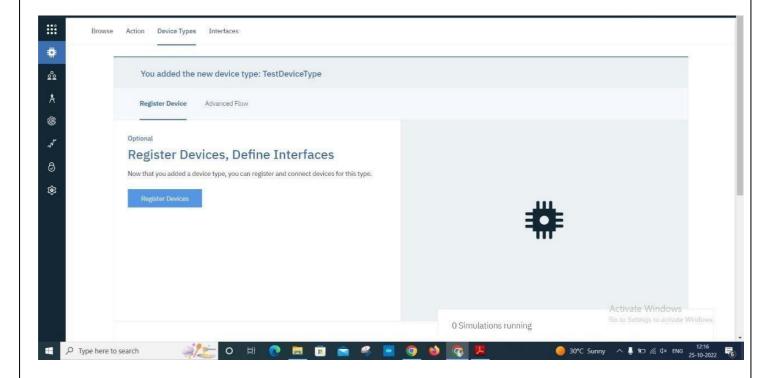




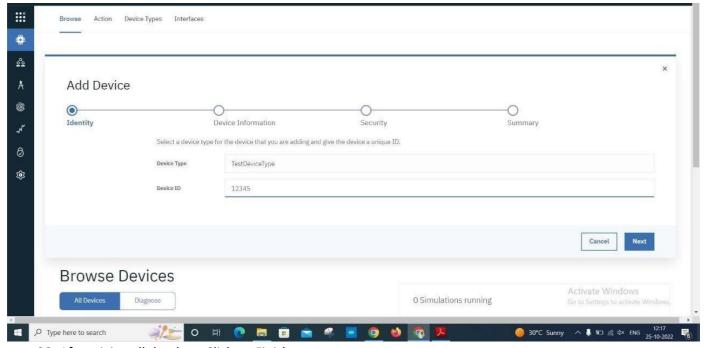
Step 17: Fill the details.



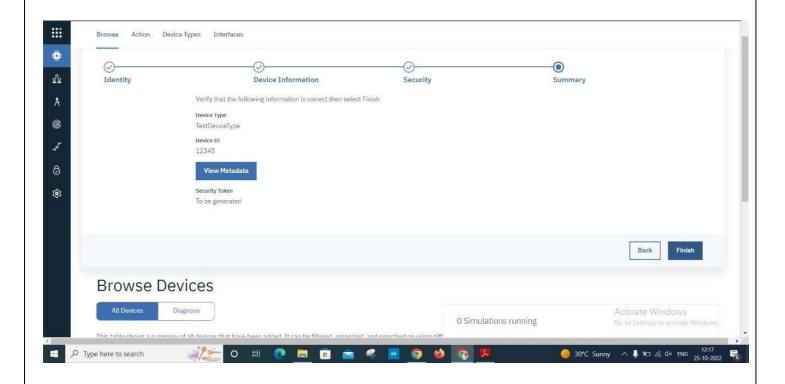
18: Click on Register Devices.



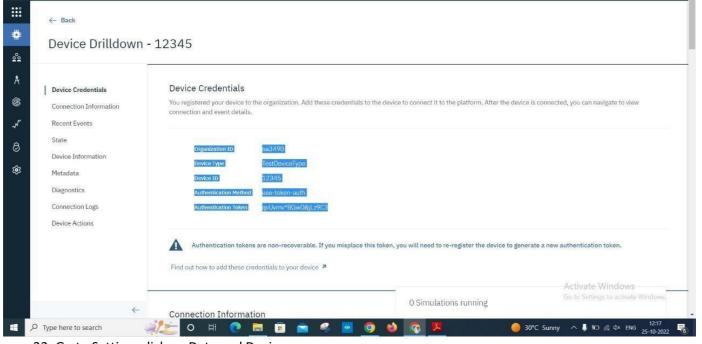
Step 19: Give the device name which you have created and give Device ID.



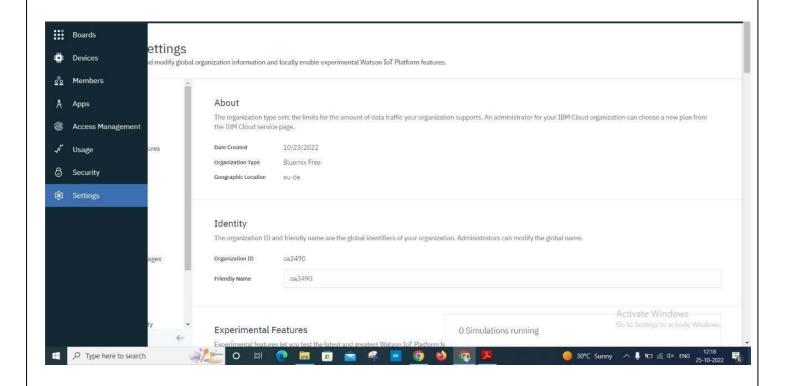
20: After giving all the data, Click on Finish.



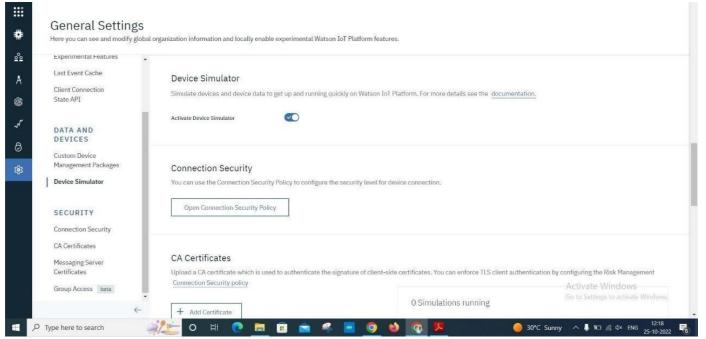
Step 21: After creating the device, Copy the Device Credentials.



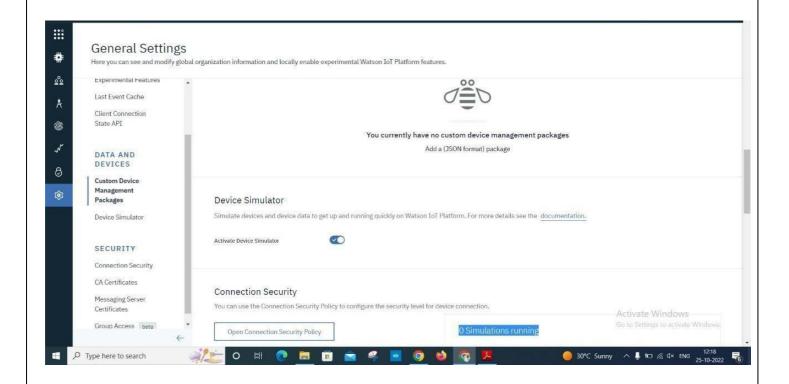
22: Go to Setting, click on Data and Devices.



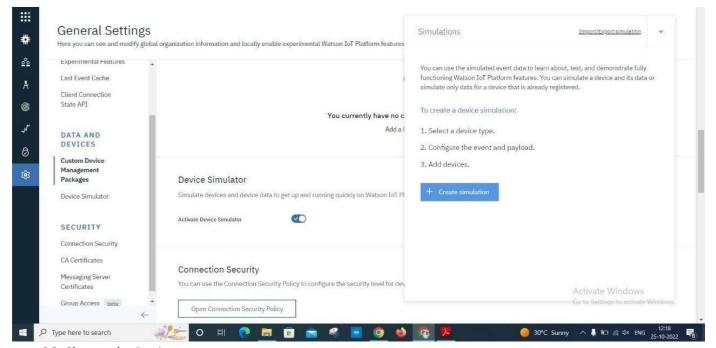
Step 23: Then click on Device Simulator and Activate Device Simulator.



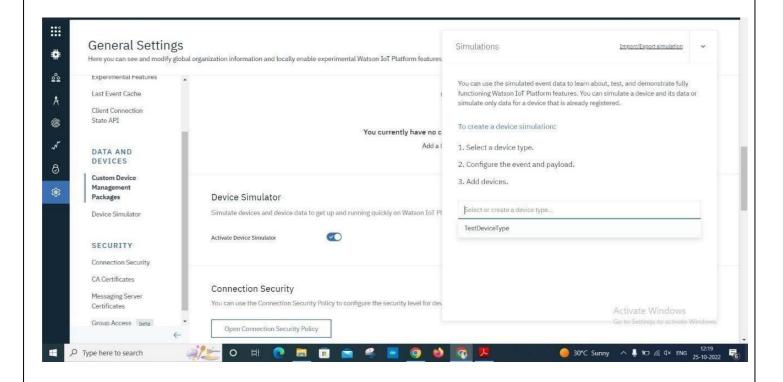
24: Click on the pop-up screen on the right side.



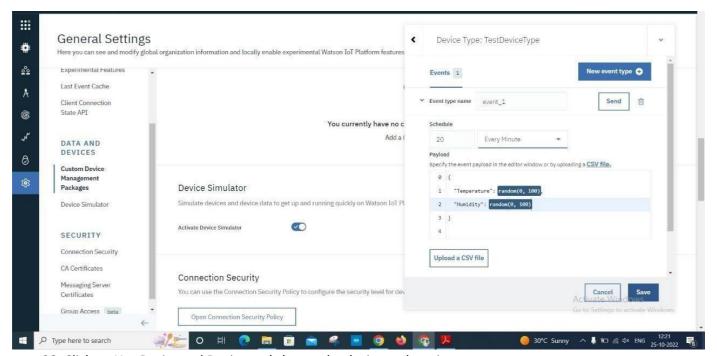
Step 25: Click on Create Simulation.



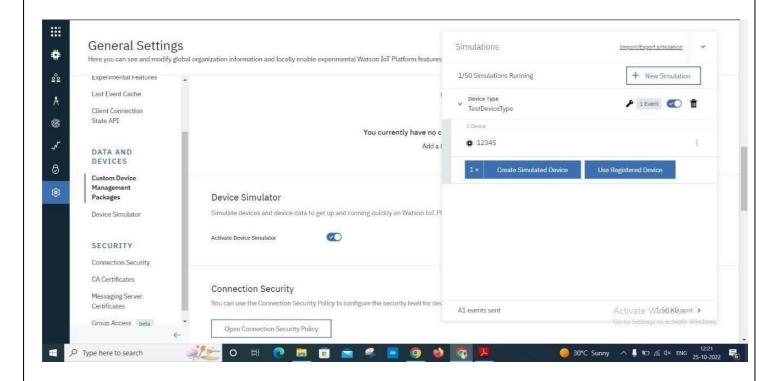
26: Choose the Device.



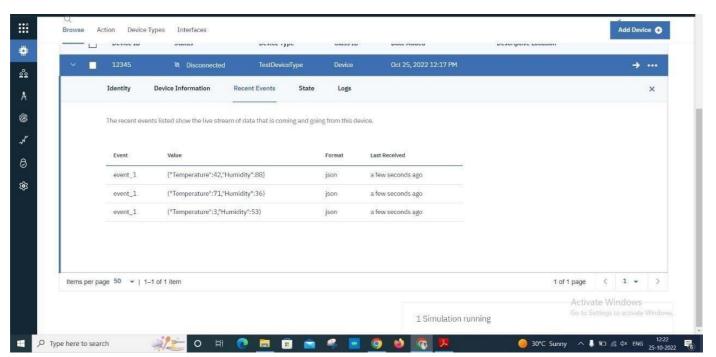
Step 27: Type the code.



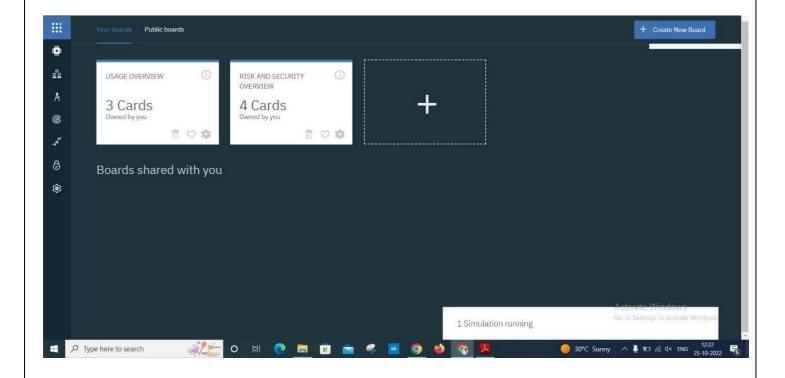
28: Click on Use Registered Device and choose the device and run it.



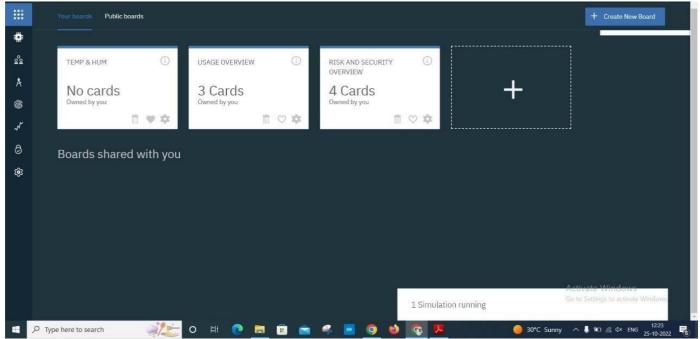
Step 29: Go to devices then click on devices and check the recent events whether the code is running or not.



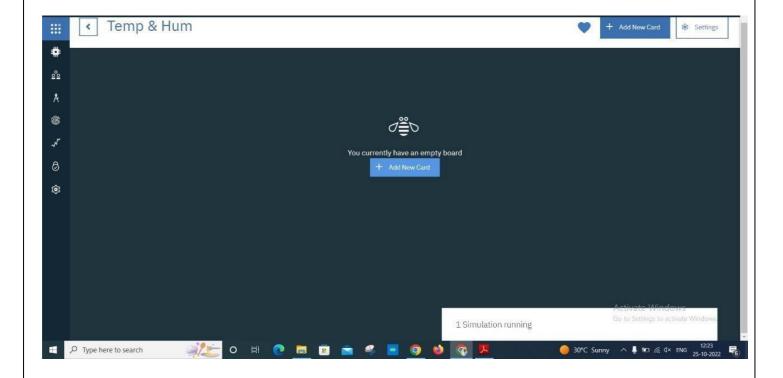
30: Go to Board and click on + Create New Board, fill the details and create a board.



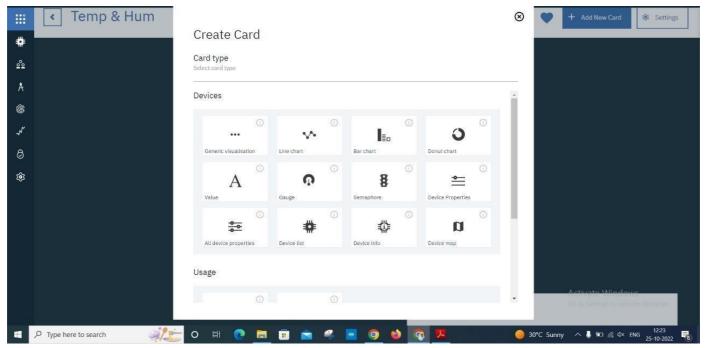
Step 31: Click on the board which is created.



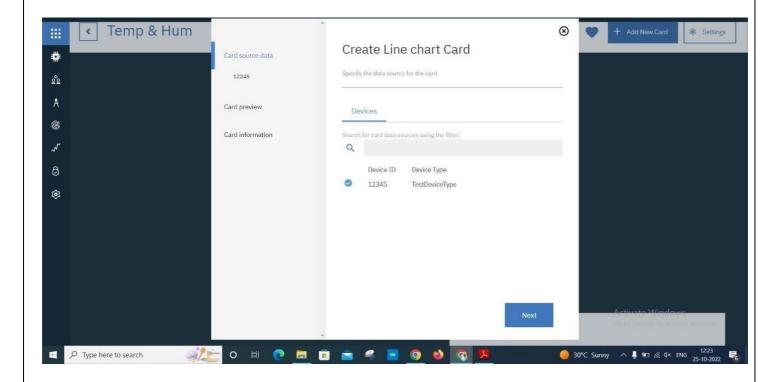
32: Go Add New Card.



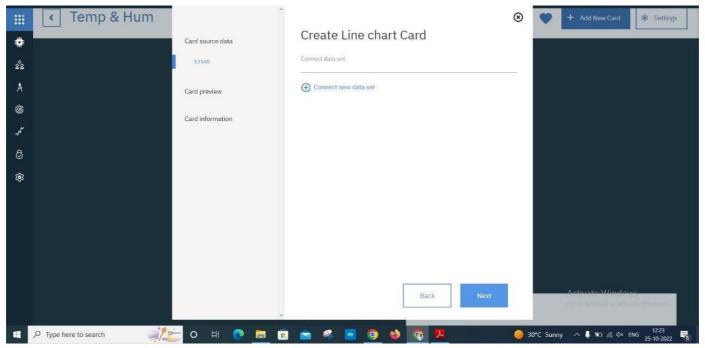
Step 33: Choose the Card Type.



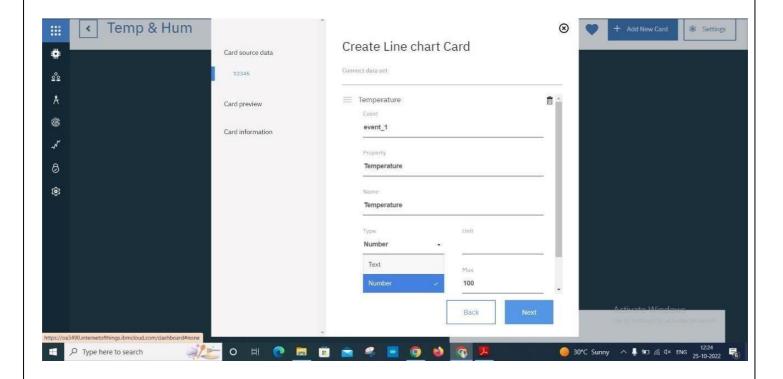
34: Choose the device.



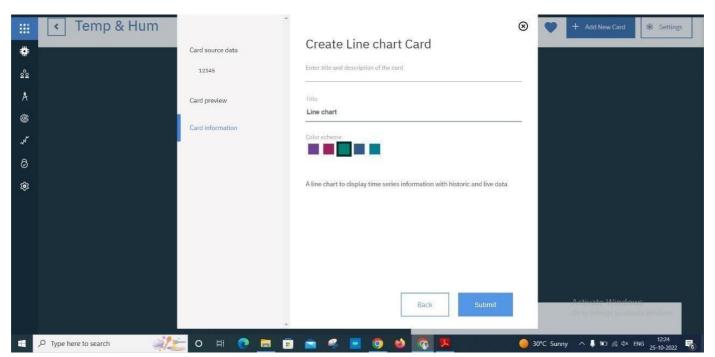
Step 35: Click on Connect new data set.



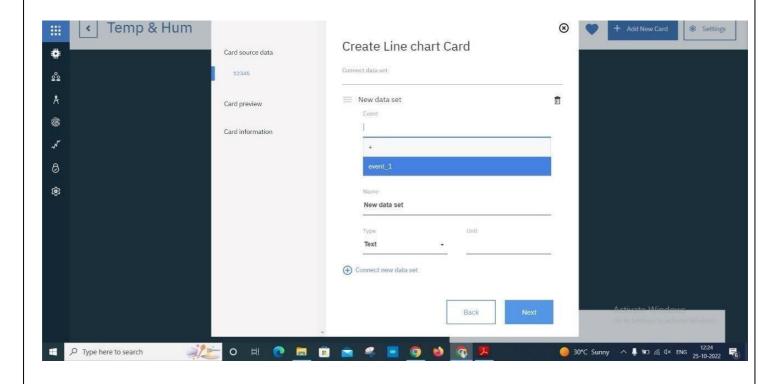
36: Fill the details to get Temperature graph.



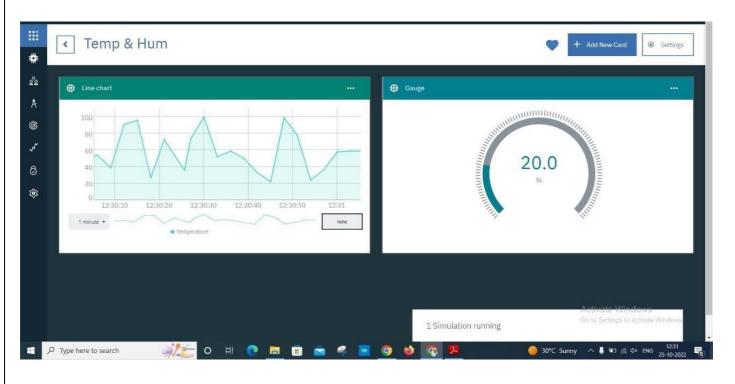
Step 37: Choose the Colour.



38: Repeat the same process again to get the Humidity graph.



Step 39: Here is the Final graph.



Result:	
	An IBM Watson cloud for IoT and a device is created
	successfully.
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