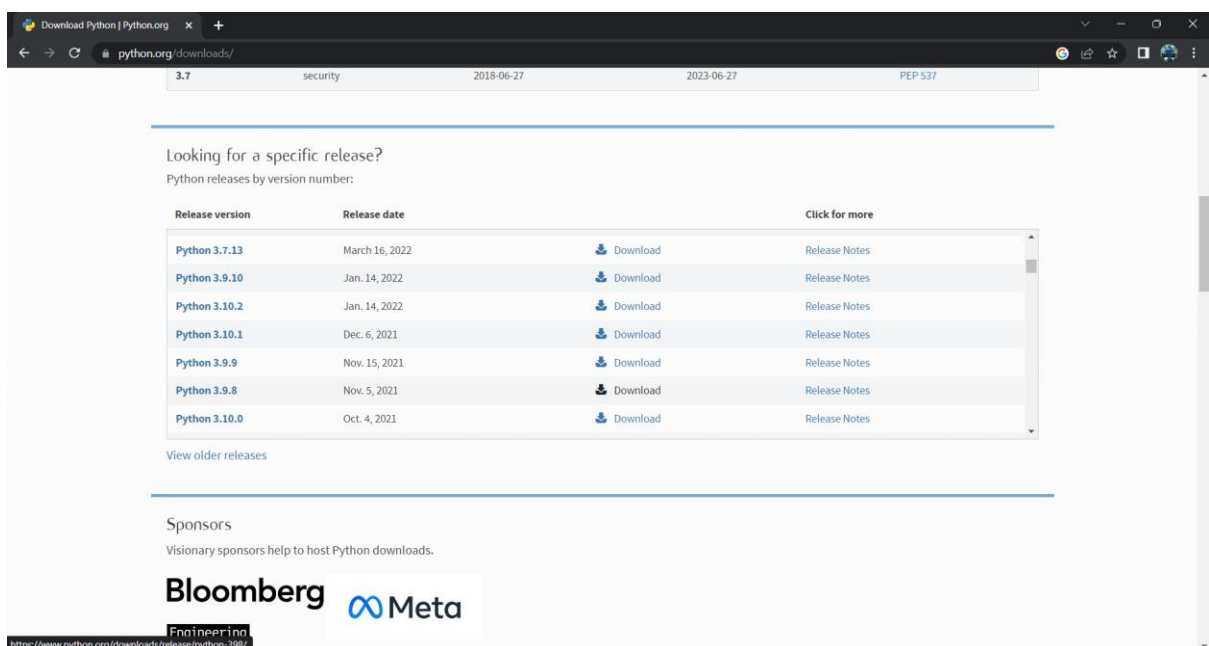
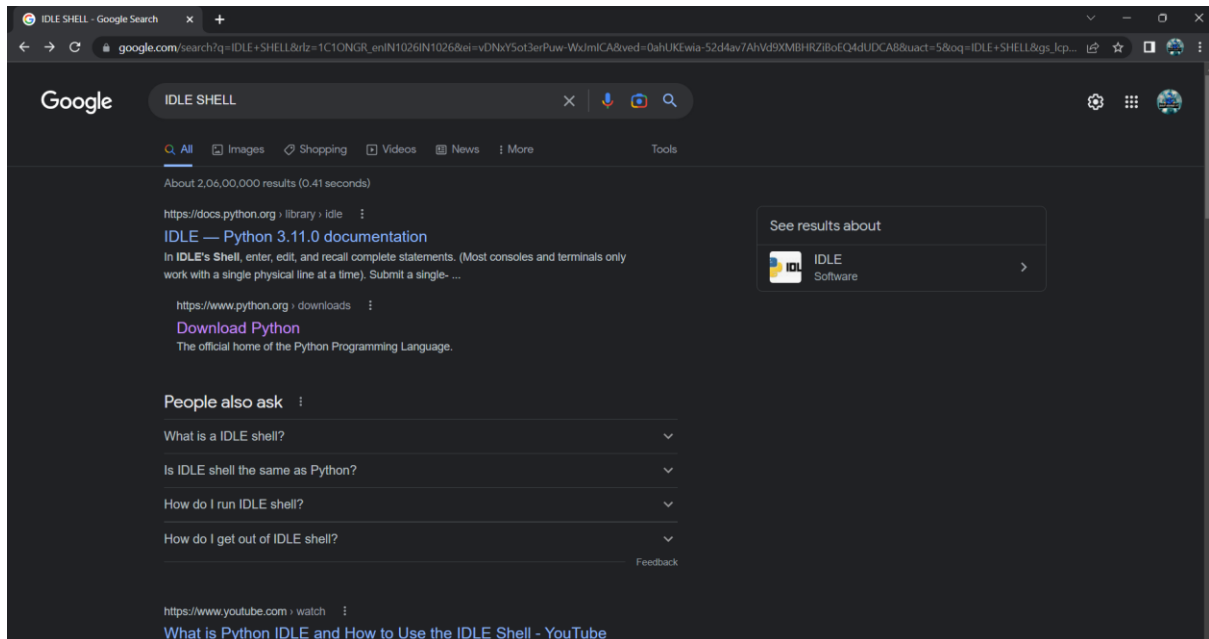
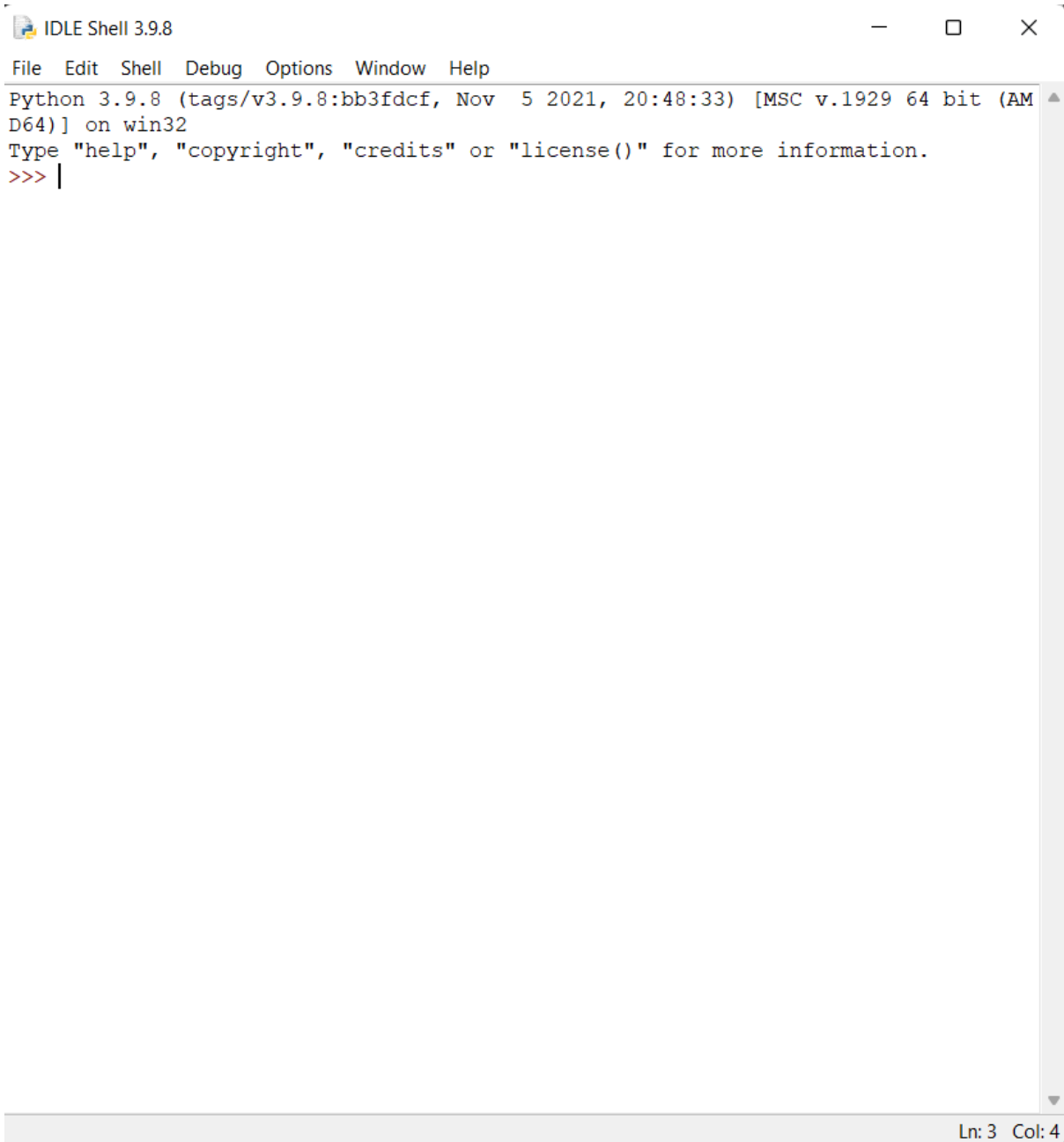


Date	26 October 2022
Team ID	PNT2022TMID15139
Project Name	Smart Farmer - IoT Enabled Smart Farming Application

CREATE IDLE SHELL(PYTHON) SOFTWARE:



A screenshot of the Python IDLE Shell 3.9.8 window. The window has a title bar with the text "IDLE Shell 3.9.8" and standard Windows window controls (minimize, maximize, close). Below the title bar is a menu bar with the following items: "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main area of the window is a text editor showing the Python 3.9.8 startup message. The text is as follows:

```
Python 3.9.8 (tags/v3.9.8:bb3fdcf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> |
```

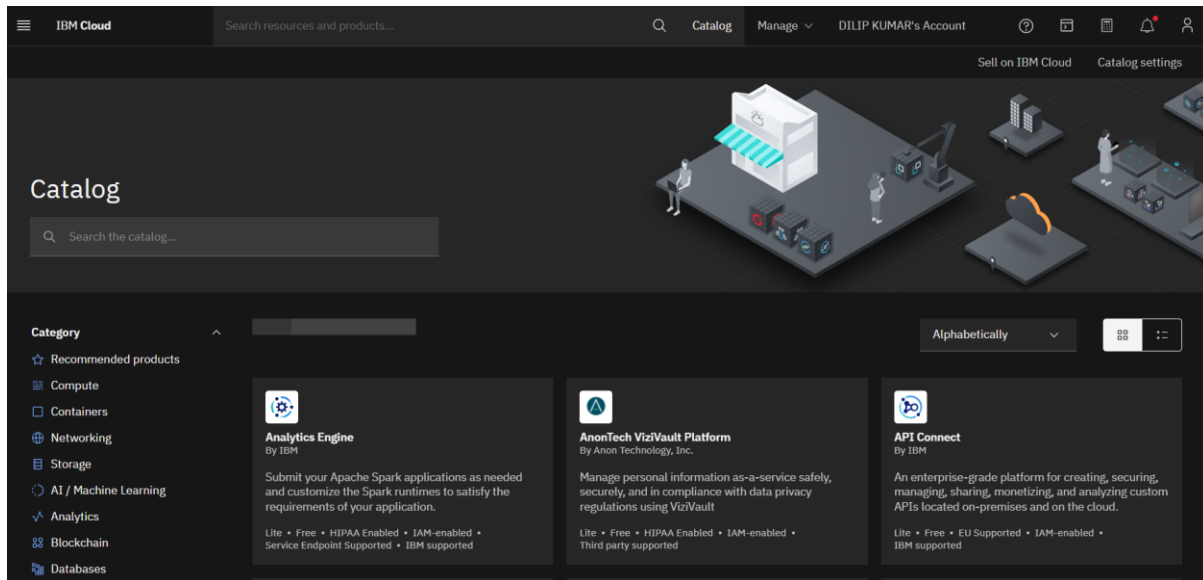
The text is displayed in a monospaced font. The prompt ">>>" is in red, and the cursor is a vertical line at the end of the line. The status bar at the bottom right of the window shows "Ln: 3 Col: 4".

Python 3.9.8 (tags/v3.9.8:bb3fdcf, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> |

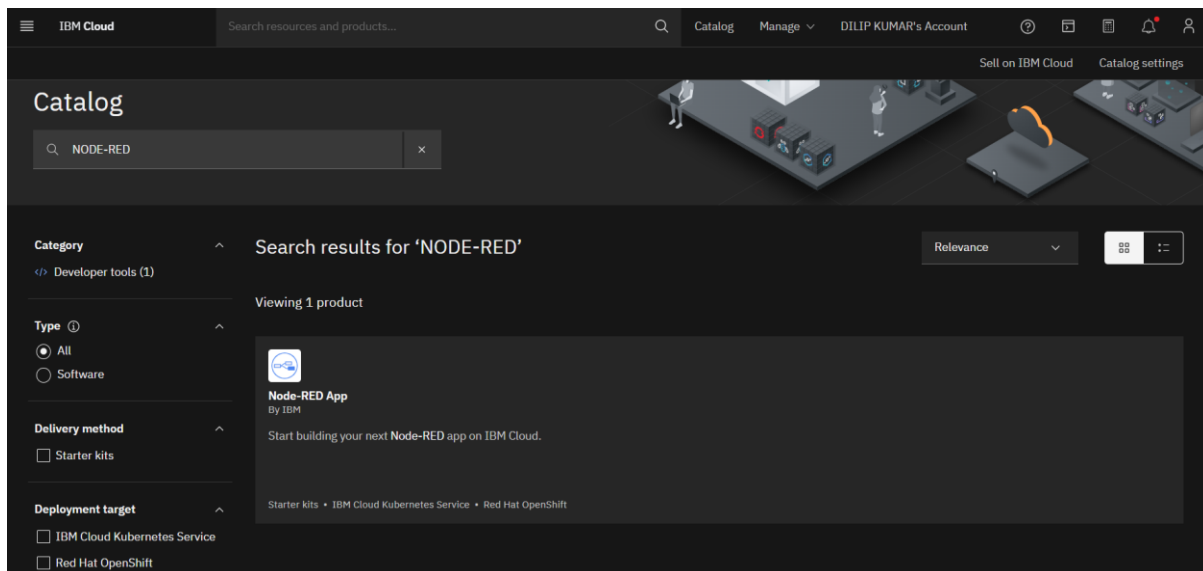
Ln: 3 Col: 4

CREATE NODE-RED SERVICE:

STEP 1: Login to IBM cloud and click Catalog



STEP 2: Search NODE-RED



STEP 3: Configure NODE-RED:

IBM Cloud

Search resources and products...

Resource list / App details /

Node RED WIKHX 2022-11-12

Add tags

Actions...

Details

App URL: You must deploy your app first

Source: [Download code](#)

Resource group: Default

Deployment target: You must deploy your app first

Created: 11/12/2022

Services

Cloudant

[Open dashboard](#) [Documentation](#) [API reference](#)

Credentials

[Connect existing services](#) [Create service](#)

Deployment Automation

Configure Continuous Delivery

Continuous Delivery is not enabled for this app. Enable Continuous Delivery to automate builds, tests, and deployments through Delivery Pipeline, GitLab, and more.

[Deploy your app](#)

Getting started quickly

Configuring your app

To connect services and DevOps toolchains to your app:

1. Use the **Services** card to connect a service to your app. Select an existing service instance, or create a new one. [Learn more](#)
2. If you want to view the code before your app is deployed, click **Download code** to obtain the .zip file.
3. Click **Deploy your app** in the **Deployment Automation** card to select the deployment target and configure the Continuous Delivery service. The deployment begins automatically.
4. After the deployment begins, you can view the status of the deployment, modify your app, view your repo, or

ASK A QUESTION

STEP 4: Visit the NODE-RED App

IBM Cloud

Search resources and products...

Resource list /

Node RED WIKHX 2022-11-12

Running Visit App URL Add tags

Details Actions...

Getting started

Overview

Runtime

Connections

Logs

API Management

Autoscaling

IBM Cloud Foundry Public is being deprecated. Please see [full details](#).

Instances

Health: 100%
1/1 instance(s) are running

Instances: 1

MB memory per instance: 0 to 2048 (256 selected)

Runtime

Node.js

256 Total MB allocation

1.75 GB still available

Free Used

Runtime cost

Current and estimated cost excludes connected services.

\$0.00 \$0.00

Connections (1)

[node-red-wikhx-2022--cloudant-1668231376847-2026](#)

STEP 5: Create the Node red app

