

## **EXPERIMENT – 12**

## **OUTPUT:**

The screenshot shows a Microsoft Visual Studio Code (VS Code) interface. The top bar includes standard icons for file operations, search, and windows control. On the left, there's a sidebar with various icons for file management, search, and other development tools.

The main area displays a Python script named `12.py`. The code imports `sklearn.neighbors` and `sklearn.datasets`, loads the Iris dataset, creates a `KNeighborsClassifier` with 3 neighbors, fits it to the data, and then prompts the user to enter four features to predict the class. The code uses f-strings for input prompts.

Below the code editor is a navigation bar with tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL, and a dropdown menu. The TERMINAL tab is active, showing the command line interface where the script is run. The terminal output shows the execution of the script, followed by user input for feature values (5.1, 3.5, 1.4, 0.2), and the predicted class (`setosa`). There are also two open terminal sessions in the background.

The bottom status bar shows system information like battery level (0%), network connection (WIFI), and system version (Windows 10 Pro). It also includes links for "Spaces: 4", "UTF-8", "Python", "3.13.9 (Microsoft Store)", and "Go Live".