**Ways to Write & Run Python Scripts (Windows)**

## **🔹 1. Notepad++ + Command Line**

### ✍️ Writing Python Code

1. Open Notepad++.
2. Write your Python code:

print("Hello from Notepad++!")

1. Save the file with .py extension, e.g., hello.py.  
    ✅ Make sure the file is saved in a known location like C:\PythonScripts\hello.py.

### **▶️ Running the Script**

1. Open Command Prompt (Win + R → type cmd).
2. Navigate to the file location:

cd C:\PythonScripts

1. Run the script using:

python hello.py

**🔁 Output:**

Hello from Notepad++!

## **🔹 2. PyCharm IDE**

### ✍️ Writing Code in PyCharm

1. Open PyCharm → New Project
2. Inside the project, right-click on the folder → New → Python File → Name it hello
3. Write your code:

print("Hello from PyCharm!")

### **▶️ Running the Script**

* Right-click on the file → Click "Run hello"
* Or click the green play icon on top-right.

**🔁 Output appears in the Run Console at the bottom.**

## **🔹 3. Python Shell (Interactive Mode)**

### **▶️ Access Python Shell**

1. Press Win + S, type python → Open the Python shell (interactive mode).
2. You’ll see:

**>>>**

### **✍️ Writing Code**

Type directly:

**>>> print("Hello from Python Shell!")**

**🔁 Output:**

Hello from Python Shell!

**✅ Good for quick testing, math, string operations, etc.**

## **🧠 Bonus Tip:**

**To exit the Python Shell:**

**>>> exit()**

**or just press Ctrl + Z → Enter**

## **📌 Summary Table:**

| **Tool** | **How to Write** | **How to Run** | **Best For** |
| --- | --- | --- | --- |
| **Notepad++** | **Simple text editor** | **python file.py in CMD** | **Lightweight scripting** |
| **PyCharm** | **Full-featured IDE** | **Built-in run button** | **Real projects, debugging** |
| **Python Shell** | **Write inside terminal** | **Executes instantly** | **Quick experiments, testing** |

### **About the Author**

**Gowtham SB** is a **Data Engineering expert, educator,** **and content creator** with a passion for **big data technologies, as well as cloud and Gen AI** . With years of experience in the field, he has worked extensively with **cloud platforms, distributed systems, and data pipelines**, helping professionals and aspiring engineers master the art of data engineering.

Beyond his technical expertise, Gowtham is a **renowned mentor and speaker**, sharing his insights through engaging content on **YouTube and LinkedIn**. He has built one of the **largest Tamil Data Engineering communities**, guiding thousands of learners to excel in their careers.

Through his deep industry knowledge and hands-on approach, Gowtham continues to **bridge the gap between learning and real-world implementation**, empowering individuals to build **scalable, high-performance data solutions**.

𝐒𝐨𝐜𝐢𝐚𝐥𝐬

🎥𝐘𝐨𝐮𝐓𝐮𝐛𝐞 - https://www.youtube.com/@dataengineeringvideos

📸𝐈𝐧𝐬𝐭𝐚𝐠𝐫𝐚𝐦 - <https://instagram.com/dataengineeringtamil>

📸𝐈𝐧𝐬𝐭𝐚𝐠𝐫𝐚𝐦 - [https://instagram.com/](https://instagram.com/dataengineeringtamil)thedatatech.in

🤝𝐂𝐨𝐧𝐧𝐞𝐜𝐭 𝐟𝐨𝐫 𝟏:𝟏 - https://topmate.io/dataengineering/

💼𝐋𝐢𝐧𝐤𝐞𝐝𝐈𝐧 - https://www.linkedin.com/in/sbgowtham/

🌐𝐖𝐞𝐛𝐬𝐢𝐭𝐞 - https://codewithgowtham.blogspot.com

💻𝐆𝐢𝐭𝐇𝐮𝐛 - http://github.com/Gowthamdataengineer

💬𝐖𝐡𝐚𝐭𝐬 𝐀𝐩𝐩 - https://lnkd.in/g5JrHw8q

📧𝐄𝐦𝐚𝐢𝐥 - atozknowledge.com@gmail.com

📱𝐀𝐥𝐥 𝐌𝐲 𝐒𝐨𝐜𝐢𝐚𝐥𝐬 - <https://lnkd.in/gf8k3aCH>