**Installation of LangChain(03/26/2025)**

* Ensuring we have python updated version

# python –version

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* Create and Activate a Virtual Environment

# python -m venv langchain-env (created)

# langchain-env\Scripts\activate (activates the env)

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* Install Jupyter Notebook within activated environment

# pip install notebook

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* Install LangChain

# pip install langchain

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# pip install "langchain[community]" (for additional community features.)

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* Install ipykernel and Register Your Environment as a Jupyter Kernel
* To ensure your Jupyter Notebook uses the same environment, install and register the ipykernel

# pip install ipykernel

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* This command registers your current environment as a selectable kernel in Jupyter.

# python -m ipykernel install --user --name langchain-env --display-name "Python (LangChain Env)" (optional)

* Launch Jupyter Notebook and Select Your Kernel
* Start Jupyter Notebook from the activated environment

# jupyter notebook

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* Change the kernel by navigating to **Kernel > Change kernel** and selecting **Python (LangChain Env)**.

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