**Step-by-Step Procedure for setting GitHub repository, new environment, setup.py, requirements.txt, create src folder and build the package:**

1. Created a GitHub repository online.
2. Created a Folder in Local Computer where we will create the ML project.
3. Open Anaconda Prompt and go to the local path where you are creating your project. In this case it is   
   **C:\Users\kkopalley\OneDrive - Primary Residential Mortgage\Documents\ML Project**
4. Then use “Code .” that will open a VS Code instance with the same name as that of the Project Folder.
5. Within the VS Code instance, open a new Terminal. We have different terminal options like PowerShell, CMD, GitBash etc., in this case use CMD option.
6. In this new terminal use below mentioned command to create an environment for your project  
   > **conda create -p venv python==3.8 -y**
7. Use command **>conda activate venv/** to activate our environment.
8. Now we will have to clone the repository (which we have created in #1) to our local to push our changes to the repository and commit those changes.
9. Use Command **>git init** to initialize the git repository.

[While I tried the above git init command, the terminal said ‘git’ is not recognized as an internal or external command. So I installed Git SCM from online from [here](https://git-scm.com/downloads), then I restarted the computer to enable the environment PATH]

1. Create a README.md file within the Project Folder within the VS Code instance.
2. Add the file to the repository using git add <filename> command
3. Use git commit -m “Comment” command to commit the changes to your repository.
4. Use git push -u origin main to push the changes to repository.
5. Create “.gitignore file” within the repository online
6. To make sure that the online repository and out local folder to be in sync.. we use git pull command.
7. Check the gitignore file is in the local or not and check if venv/ environment is automatically added in it.
8. Create setup.py file and requirements.txt file in the local project.
9. The setup.py file will be responsible for creating my ML project as a package
10. A src folder is created in the project and the “\_\_init\_\_.py” file is created in which the actual project related code is written.