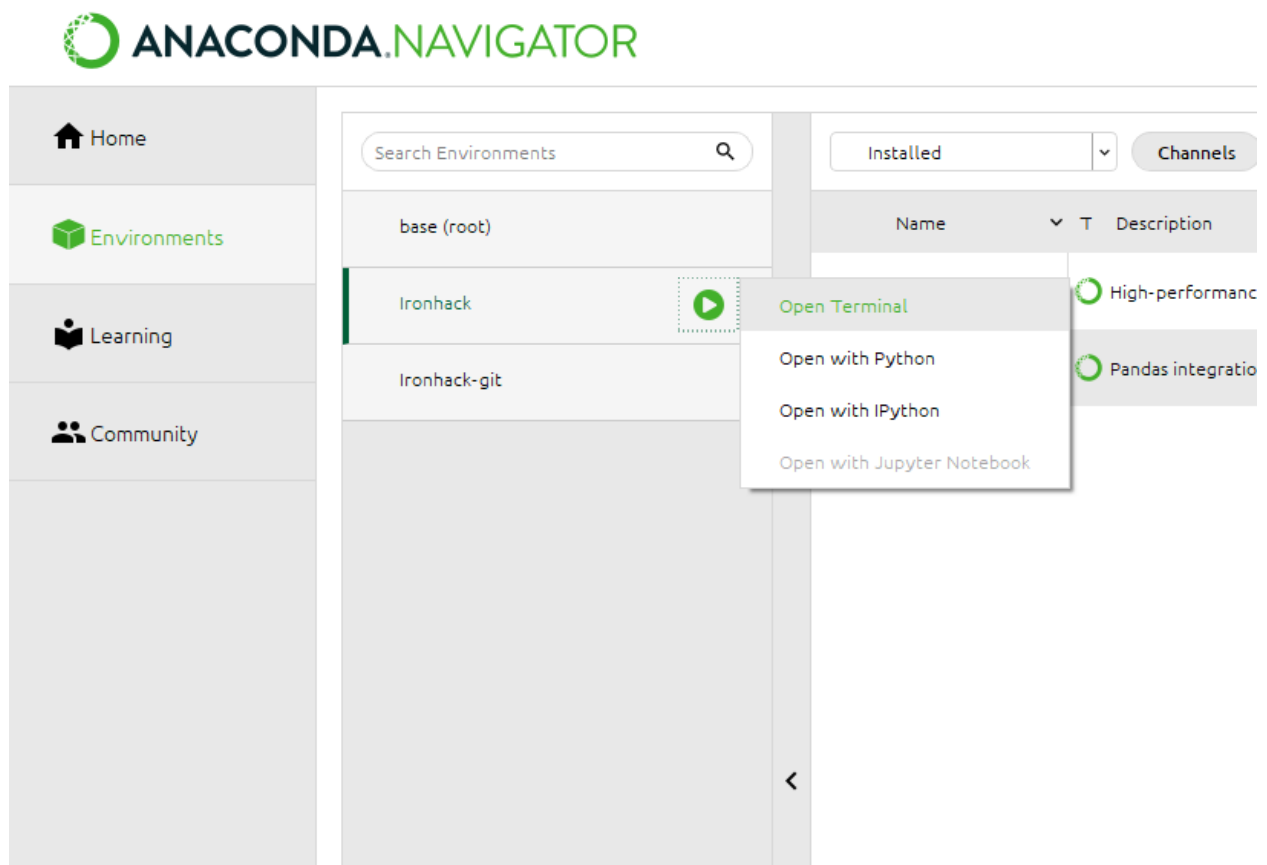# MLOps Deployment from DEV to PROD – Lab Report Participants

- Layla Alsulaimani

- Norah Alshahrani

Process:

Step 1: Developer Tasks (Go to your environment to get the requirements)

Go to conda terminal

Commands:

First go to the folder you want to add the requirements file

Then save the conda env requirements

```
(Ironhack) C:\Users\Lsula> cd d:/Ironhack/week6/lab-mlops-deploy-prod-to-dev

(Ironhack) C:\Users\Lsula>d:

(Ironhack) d:\Ironhack\week6\lab-mlops-deploy-prod-to-dev>conda list -e > requirements.txt

(Ironhack) d:\Ironhack\week6\lab-mlops-deploy-prod-to-dev>
```

Go to bash:

Upload the project with the requirements file through git

```
Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   your-code/main.ipynb

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        requirements.txt
        your-code/testProject.ipynb
        your-code/website.csv

no changes added to commit (use "git add" and/or "git commit -a")

Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev (main)
$ git add requirements.txt

Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev (main)
$ cd your-code/

Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev/your-code (main)
$ git add testProject.ipynb website.csv
warning: in the working copy of 'your-code/testProject.ipynb', LF will be replaced by CRLF the next time Git touches it
```

```
Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev/your-code (main)
$ git config --global core.autocrlf input

Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev/your-code (main)
$ git add testProject.ipynb website.csv

Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev/your-code (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   ../requirements.txt
        new file:   testProject.ipynb
        new file:   website.csv
```

```
Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev/your-code (main)
$ git commit -m "Added testProject notebook and data file"
[main 3c1808c] Added testProject notebook and data file
 3 files changed, 4771 insertions(+)
 create mode 100644 requirements.txt
 create mode 100644 your-code/testProject.ipynb
 create mode 100644 your-code/website.csv

Lsula@DESKTOP-8PDL6S5 MINGW64 /d/Ironhack/week6/lab-mlops-deploy-prod-to-dev/your-code (main)
$ git push
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 403.47 KiB | 8.97 MiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/LaylaZx/lab-mlops-deploy-prod-to-dev.git
   cfaf907..3c1808c  main -> main
```

Step 2: Gatekeeper Tasks

1. **Review and Pull Code**

   - Review the pull request created by your partner.

   - If everything looks good, merge the pull request.

   - Pull the latest changes from the remote repository

2. **Setup Environment**

   -Cloned the repo and created a new virtual environment.

   -Installed all dependencies from requirements.txt: pip install -r requirements.txt

3. **Run the Project**

   - Ran the project locally to verify it worked without errors