

# Setting up your conda environment with Anaconda

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## Step 1: Download and install Anaconda

- Visit the Anaconda download page: <https://www.anaconda.com/download>
- Select the installer for your system (Windows, macOS, or Linux) and follow the provided instructions.

## Step 2: Download the provided .yaml file

- Download the environment file (named `environment.yaml`), which is a YAML configuration file that lists the packages and dependencies needed for this project.
- Save the `environment.yaml` file in your working directory.

## Step 3: Create and activate your Conda environment

- Open your command-line interface:
  - Windows: Use command prompt or Anaconda prompt
  - macOS/Linux: Use terminal
- Navigate to your working directory:  
Use the `cd` command:  
`cd path/to/your/working-directory`
- Create the environment:  
Run the following command to create a new virtual environment with the dependencies specified in the `.yaml` file:  
`conda env create -f environment.yaml`
- Activate the environment:  
`conda activate pytorchenv`

## Step 4: (Optional) launch Jupyter notebook:

- If you plan to work with Jupyter Notebook, type:  
`jupyter notebook`

### Alternative option: using Visual Studio Code (VS Code):

- Download and install VS Code:  
Visit <https://code.visualstudio.com/> and install the editor.
- Install the Python extension:  
open VS Code and install the Python extension.
- Select your conda environment:  
Open the command palette by pressing `Cmd+Shift+P` (on macOS) or the equivalent on your system. Then:
- Type “Python: Select Interpreter” and select it.
- Look for an interpreter that includes `pytorchenv` in its path and select it.  
*(This ensures that your code runs using the correct dependencies from your virtual environment.)*