# 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 .yml file

- Download the environment file (named `environment.yml`), which is a YAML configuration file that lists the packages and dependencies needed for this project.
- Save the `environment.yml` 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 `.yml` file:
  conda env create -f environment.yml
- 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)*