🚀 Beginner Exercise: Build a GitHub Actions Pipeline (Node.js Setup)

🎯 Goal

You will create a **GitHub Actions pipeline** with the following steps and commands, based on the **requirements** provided below.

📋 Requirements

1. Trigger: Manual Workflow

- The pipeline must **only run manually** using the `workflow_dispatch` trigger. This allows you to manually start the workflow from the GitHub web interface.

2. Job

- You need **one job** that runs on an **Ubuntu virtual machine** using `ubuntu-latest` as the runner.

3. Steps

- **Step 1**: Use the `actions/checkout@v4` action to **checkout** the repository code.
- **Step 2**: Use the `actions/setup-node@v3` action to **set up Node.js** version `20`.
- **Step 3**: Add a `run` step to **print the versions** of `Node.js` and `npm` using the following commands:
  - `node --version`
  - `npm --version`

🛠️ Commands and Actions to Use

Here are the **specific commands and actions** you need to use in your pipeline:

1. **Checkout Repository Code**
   You'll use `actions/checkout@v4` to get your code on the GitHub runner.

   ```
   - name: Checkout code
     uses: actions/checkout@v4
   ```

2. **Set up Node.js 20**

   You'll use `actions/setup-node@v3` to install **Node.js version 20**.

   ```
   - name: Set up Node.js
     uses: actions/setup-node@v3
     with:
       node-version: '20'
   ```

3. **Check Node.js and npm Versions**

   In this step, you'll run the necessary commands to check the versions of **Node.js** and **npm** installed on the runner.

   ```
   - name: Check Node.js and npm versions
     run: |
       node --version
       npm --version
   ```

   The `node --version` command will print the **installed Node.js version**, and `npm --version` will print the **installed npm version**.