# CodeCompanion - Quick Setup Guide

## 🚀 Installation Steps

### Step 1: Install Python

- Download Python 3.8+ from python.org

- During installation, CHECK "Add Python to PATH"

### Step 2: Install Dependencies

Navigate to file folder in cmd then

pip install -r requirements.txt

Step 3: Create Virtual Environment

In cmd use below command to create virtual environment

python -m venv venv

```

### Step 4: Activate Virtual Environment

.\venv\Scripts\activate

```

### Step 5: Run the Application

python app.py

```

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## 🎮 How to Use

### 1. Select Learning Topic

- Click dropdown menu

- Choose any programming concept (Variables, Functions, Loops, etc.)

### 2. Get Explanations

Click any button:

- \*\*😂 Funny Example\*\* - Fun real-world analogies

- \*\*🔧 Technical Definition\*\* - Precise explanations

- \*\*📝 Pseudocode\*\* - Step-by-step logic

- \*\*📚 Comprehensive\*\* - Complete beginner guide

- \*\*🌐 Wikipedia\*\* - Encyclopedia-style overview

- \*\*📖 Documentation\*\* - Official-style reference

- \*\*⚡ Syntax\*\* - Code syntax examples

### 3. Chat with AI

- Type questions in chat box

- Press Enter or click "Send 🚀"

- Get instant programming help

### 4. Play Hacker Game

- Click \*\*"🎮 Launch Hacker Challenge"\*\*

- Solve coding puzzles to progress

- Use AI hints if stuck

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## ✅ Ready to Use!

- Internet required\*\* for AI features to work

- \*\*All features unlocked\*\* from the start

\*\*That's it! Start learning programming! 🚀\*\*