

# GitHub Actions Cheat Sheet

## Basic Commands & Syntax

Command/Concept	Syntax/Example
Workflow File Location	.github/workflows/
Start Workflow YAML	<pre>name: CI on: [push] jobs:   build:     runs-on: ubuntu-latest</pre>
Run a Command	<pre>steps:   - run: echo "Hello, world!"</pre>
Checkout Code	- uses: actions/checkout@v4
Setup Node	<pre>- uses: actions/setup-node@v4   with:     node-version: '20'</pre>
Setup Python	<pre>- uses: actions/setup-python@v4   with:     python-version: '3.12'</pre>
Setup Java	<pre>- uses: actions/setup-java@v4   with:     distribution: 'temurin'     java-version: '21'</pre>
Environment Variables	<pre>env:   MY_VAR: value</pre>
Using Secrets	<pre>secrets:   MY_SECRET: \\${{ secrets.MY_SECRET }}</pre>
Matrix Build	<pre>strategy:   matrix:     os: [ubuntu-latest, windows-latest]</pre>
Upload Artifact	<pre>- uses: actions/upload-artifact@v4   with:     name: build     path: path/to/file</pre>
Download Artifact	<pre>- uses: actions/download-artifact@v4   with:     name: build</pre>
Cache Dependencies	<pre>- uses: actions/cache@v4   with:     path: ~/.npm     key: \\${{ runner.os }}-npm-cache</pre>
Trigger on Schedule	on:

schedule:

- cron: '0 0 \* \* \*'