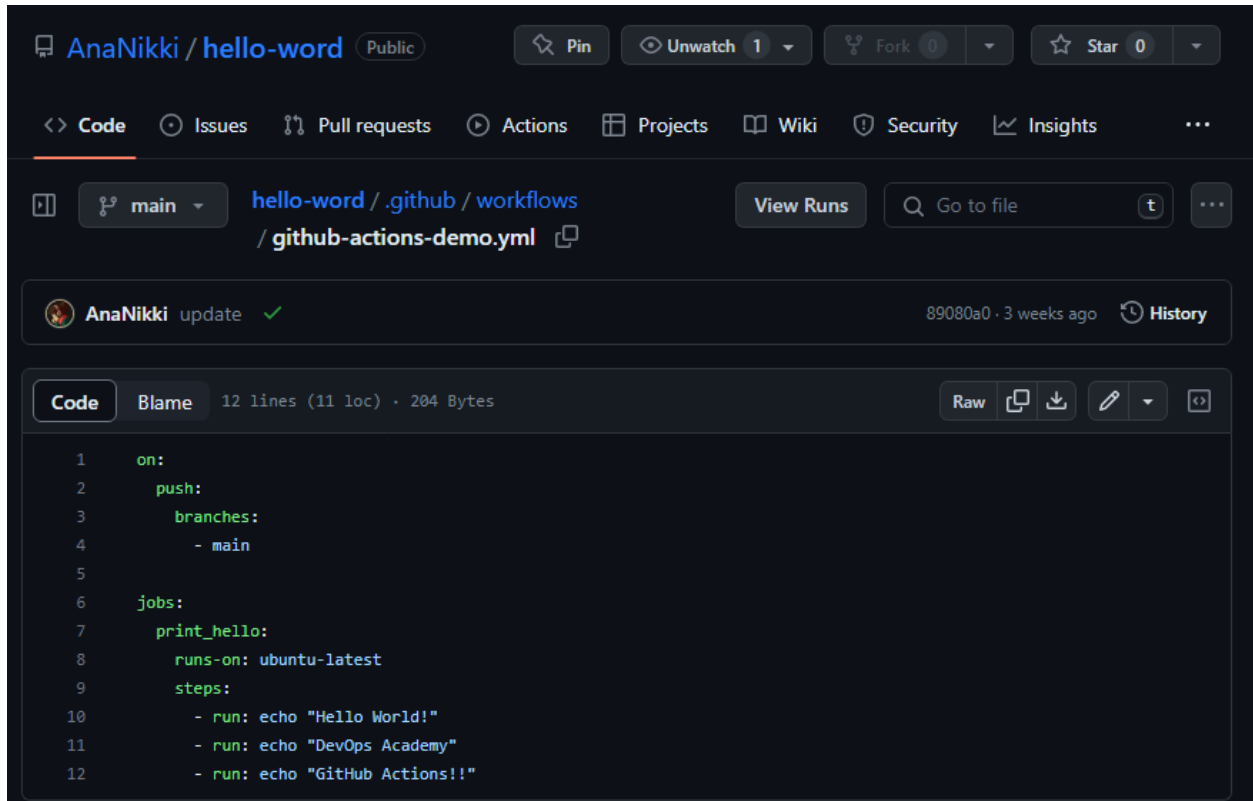


## GitHub Actions

To use GitHub Actions, we need a GitHub repository and run the GitHub workflow. To start using GitHub Actions first we need to create a `.github/workflows` directory in the repository that we are going to use for this purpose. After we create the directory we are going to create a file named `github-actions-demo.yml`. In that file we are going to copy the simple hello word. After we create the yaml file we are going to commit this workflow file.

A screenshot of a GitHub repository page for 'AnaNikki / hello-word'. The page shows the 'Code' tab selected, displaying a workflow file named 'github-actions-demo.yml' located in the '.github/workflows' directory. The workflow is triggered on a 'push' to the 'main' branch. It contains a job named 'print\_hello' that runs on 'ubuntu-latest' and executes three 'echo' commands: 'Hello World!', 'DevOps Academy', and 'GitHub Actions!!'. The file has 12 lines, 11 loc, and is 204 bytes. The repository is public and has 0 stars and 0 forks. The workflow was updated by 'AnaNikki' 3 weeks ago.

```
1  on:
2    push:
3      branches:
4        - main
5
6  jobs:
7    print_hello:
8      runs-on: ubuntu-latest
9      steps:
10       - run: echo "Hello World!"
11       - run: echo "DevOps Academy"
12       - run: echo "GitHub Actions!!"
```

Next, we are going to navigate to the main page of the repository and click Actions. In the left sidebar we click our workflow.

AnaNikki / hello-word Public

Pin Unwatch 1 Fork 0 Star 0

Code Issues Pull requests **Actions** Projects Wiki Security Insights

**Actions** New workflow

All workflows

**.github/workflows/github-a...**

Management Caches

**.github/workflows/github-actions-demo.yml**  
github-actions-demo.yml

Filter workflow runs

3 workflow runs

Event	Status	Branch	Actor
✓ update		main	
.github/workflows/github-actions-demo.yml #3: Commit 89080a0 pushed by AnaNikki			
3 weeks ago ...			
11s			
✓ Update github-actions-demo.yml		main	
.github/workflows/github-actions-demo.yml #2: Commit b1a4a97 pushed by AnaNikki			
3 weeks ago ...			
12s			
✓ Create github-actions-demo.yml		main	
.github/workflows/github-actions-demo.yml #1: Commit adb96ec pushed by AnaNikki			
3 weeks ago ...			
12s			

We can see the logs that show us how each of the steps was processed. We can expand any of the steps to view its details.

← .github/workflows/github-actions-demo.yml

✓ update #3

Re-run all jobs

...

Summary

Jobs

✓ print\_hello

Run details

Usage

Workflow file

## print\_hello

succeeded 3 weeks ago in 0s

Search logs



### Set up job 0s

```
1 Current runner version: '2.303.0'
2 ▶ Operating System
6 ▶ Runner Image
11 ▶ Runner Image Provisioner
13 ▶ GITHUB_TOKEN Permissions
17 Secret source: Actions
18 Prepare workflow directory
19 Prepare all required actions
20 Complete job name: print_hello
```

### Run echo "Hello World!" 0s

```
1 ▶ Run echo "Hello World!"
4 Hello World!
```

### Run echo "DevOps Academy" 0s

```
1 ▶ Run echo "DevOps Academy"
4 DevOps Academy
```

### Run echo "GitHub Actions!!" 0s

```
1 ▶ Run echo "GitHub Actions!!"
4 GitHub Actions!!
```

### Complete job 0s

```
1 Cleaning up orphan processes
```

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← .github/workflows/github-actions-demo.yml

✓ update #3 Re-run all jobs

Summary

Jobs

✓ print\_hello

Run details

Usage

Workflow file

**print\_hello**  
succeeded 3 weeks ago in 0s

Search logs

- > ✓ Set up job 0s
- > ✓ Run echo "Hello World!" 0s
- > ✓ Run echo "DevOps Academy" 0s
- > ✓ Run echo "GitHub Actions!!" 0s
- > ✓ Complete job 0s

The simple workflow we just added is triggered each time code is pushed to the main branch, and shows us how GitHub Actions can work with the contents of our repository.