CI-CD Continuous Continuous Som other tests are failig Delivery Integration Code Her feature 2) Write Some tests Commit Integration Unit

Code - unit Commit auto natrally Linting Unit. Intgrafic 383

for deulopous to integrate their code changes

easily. -> 11 helps in improving the efficiency. Every time cue & about the code, the CI system automatically build & feet & checks everythy to ensure that no errors occur or anythy fails. -> if there is anything breaking the Cl will help us
h identify it early.

Continuous Delivery (CD)

> Decrease tion b production; > (improve security) CI-CD Repular Practice) (Pipelin) Deliver More Valler

-> A build sibeline is a sepuence of operations & hools from Source cook to the deployed system:

Steps -> steps -> steps ---- steps con build unit test (stepsafru ----)

acon devolution Tools for implementing CI-CD (withub och one) (Ci-co) Jenkine Travis

AML eost 500 Markup Language) YAML Ainit data ex chays Stoict indentation

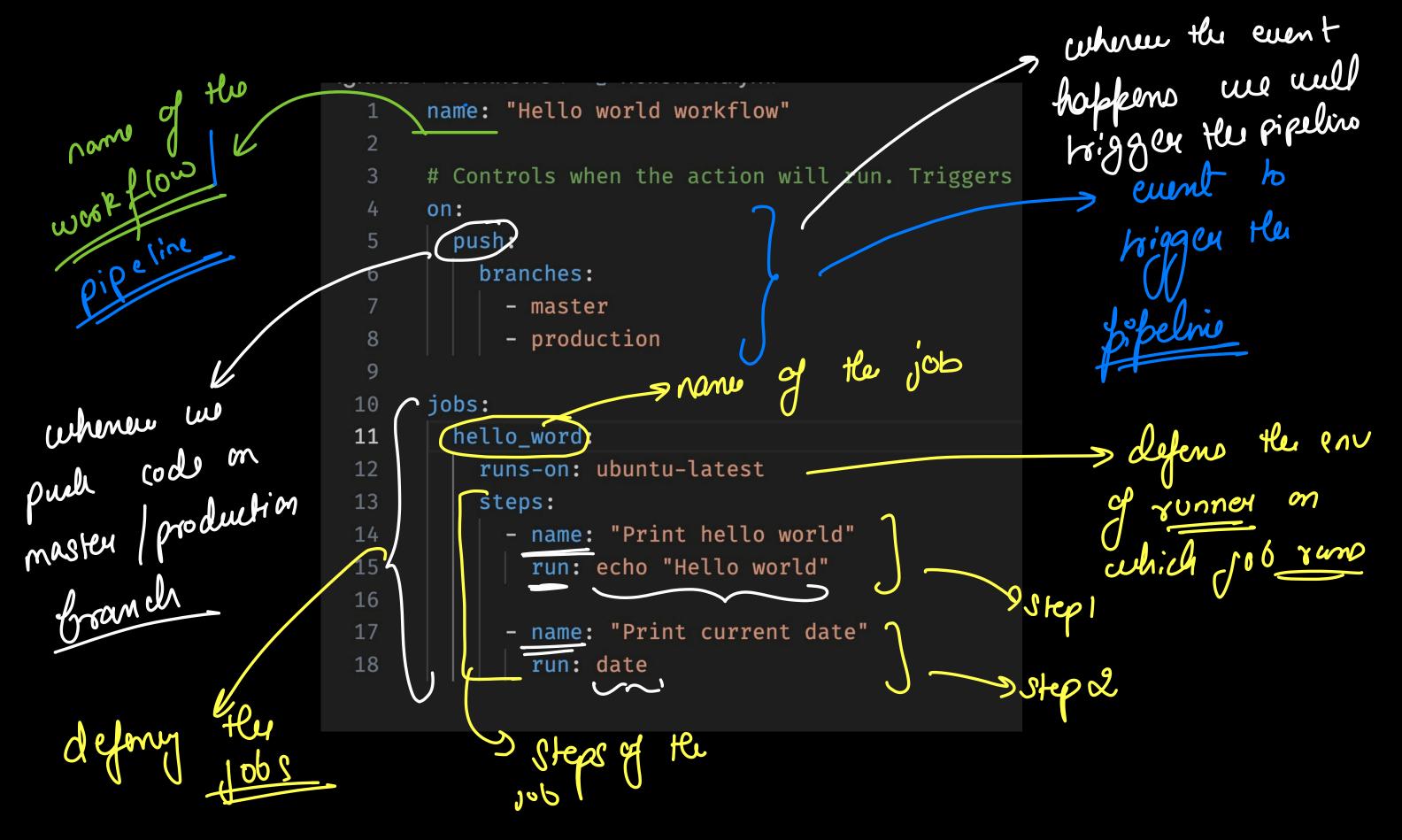
Cyithub Actions in segrated powerful automation 1001 in github.com. you can setup automated workflows. 7 automated process created > wookflow cu cue Jops s one operation 790P >(S1eb > individual task -> actions

#Jobs -> it is a set of steps to be enecuted)&(tests that (builds) setup a fipelie Machin checkoul > noders -> buld

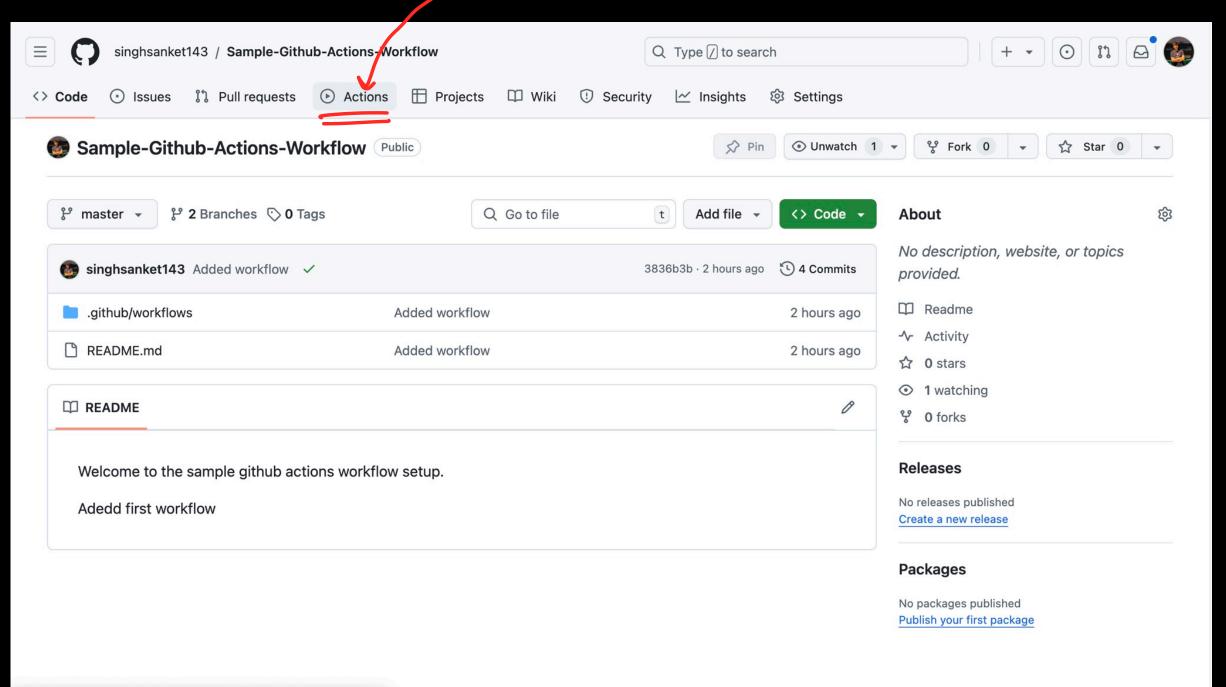
>> Yum

>> test

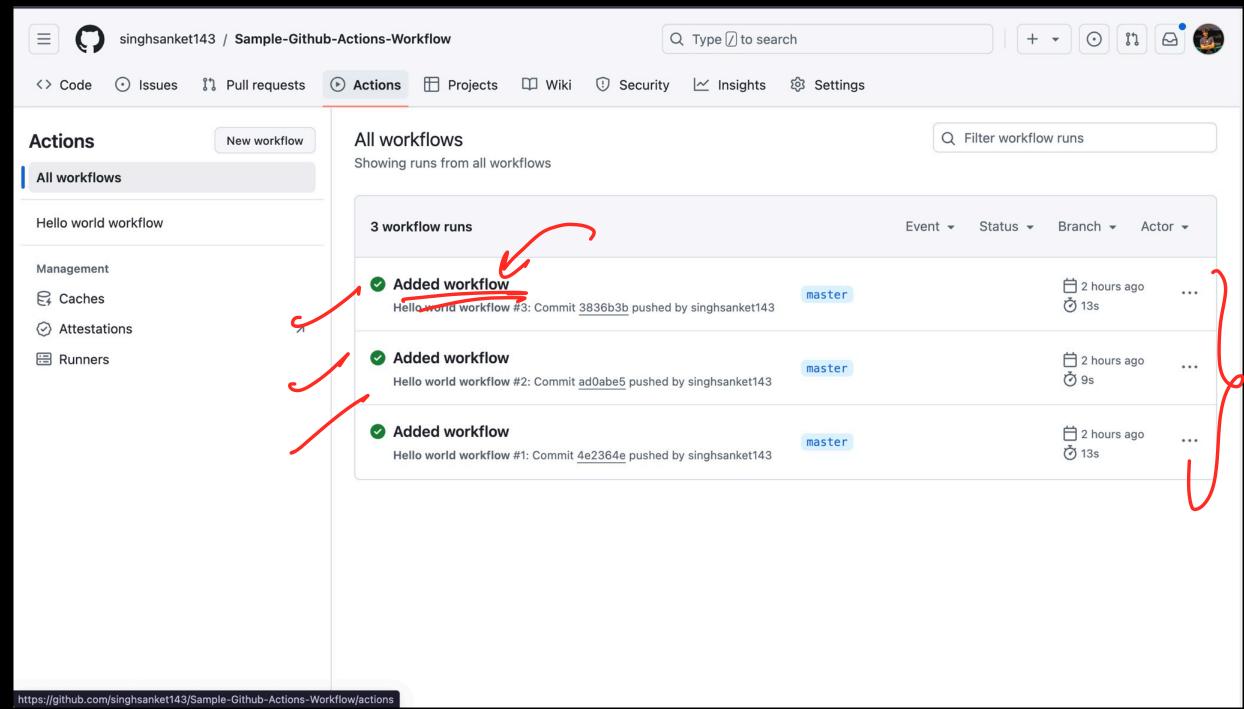
Pipelinie worktlow 9 YAML 1 वि । eunts 29:7h Stepl push on master styd 0068 github/workflows/4 37cp1 Stepal yama



click here to see all the pipelene/workflow

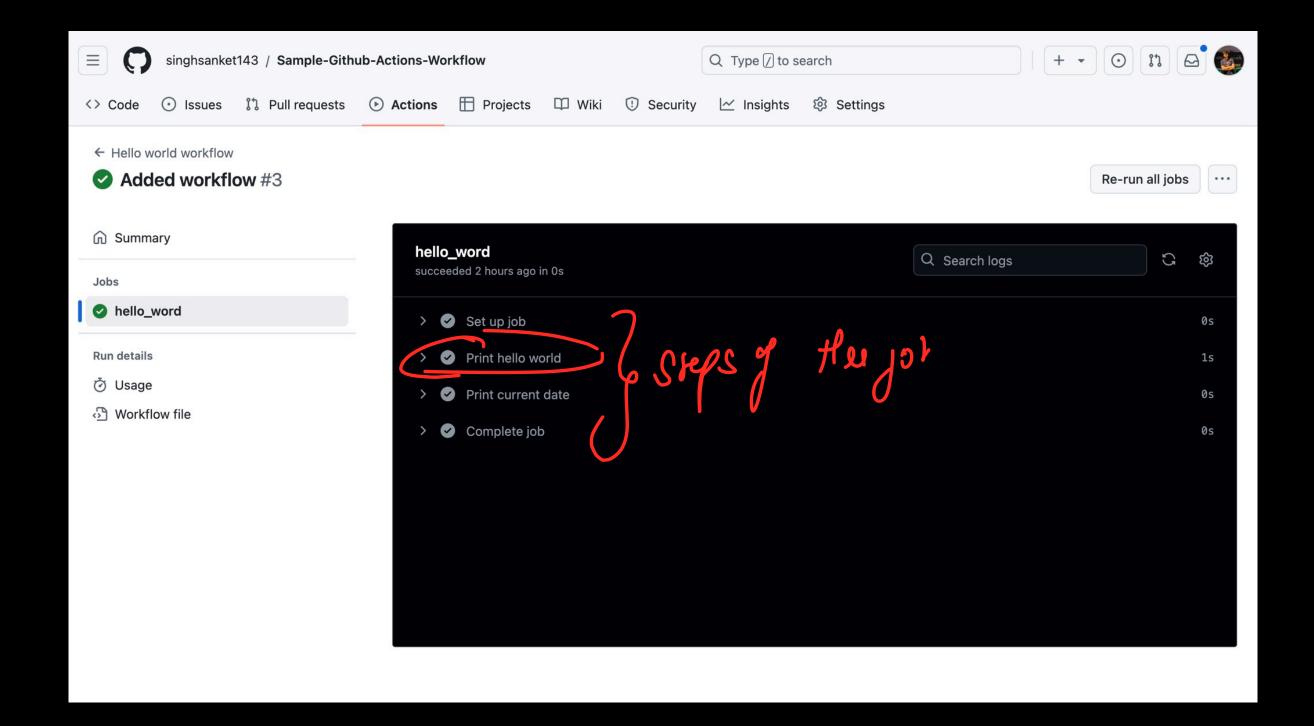


list of the work of the policy of the policy



ININ THE DARKSIDE

	singhsanket143 / Sample-Gith	ub-Actions-Workflow Q Type // to search	th
	<> Code ⊙ Issues	▶ Actions	3 Settings
	← Hello world workflow✓ Added workflow #3		Re-run all jobs ···
	☆ Summary	Triggered via push 2 hours ago Status	Total duration Artifacts
	Jobs	Singhsanket143 pushed → 3836b3b master Success	13s –
13t of 10t of 10	Run details ☼ Usage ☼ Workflow file	helloworld.yml on: push hello_word 0s	
į h	nttps://github.com/singhsanket143/Sample-Github-Actions-V	orkflow/actions/runs/10635543029/job/29485365323	



```
f a commit h
     name: "Multi event pipeline / workflow" # Name of the pipeline
     on:
          push: # Event: Whenever a push is made to the repository on the master / test branch
3
              branches:
5
6
7
                  - master
                  - test
          pull_request: # Event: Whenever a pull request is made to the repository
8 9
              branches:
                                                 wrom jobs of a branche openers or closed on branches master-
                  - master
10
              types:
11
                  - closed
                  - opened
         workflow_dispatch:
```

ho manually hoigger jobs from UI 7 if is hooded coniditions when he run the job.

```
jobs:
16
          on-push: # Job 1
17
             if: github.event_name = 'push'
18
             runs-on: ubuntu-latest
19
             steps: # Steps to be executed in the job
20
                 - name: "Running on master/test push" # Step 1
21
                   run: echo "Running on master/test push"
22
23
         on-pull-request: # Job 2 ...
24 >
30
31
         on-pull-request-opened:
32
             if: github.event_name = 'pull_request' && github.event.action = 'opened'
             runs-on: ubuntu-latest
33
34
             steps:
                 - name: "Running on pull request opened"
35
                   run: echo "Running on pull request opened"
36
37
         on-pull-request-closed:
38
39
             if: github.event_name = 'pull_request' && github.event.action = 'closed'
40
             runs-on: ubuntu-latest
41
             steps:
                 - name: "Running on pull request closed"
42
                   run: echo "Running on pull request closed"
43
44
45
         on-workflow-dispatch: # Job 3
             if: github.event_name = 'workflow_dispatch'
46
             runs-on: ubuntu-latest
47
48
             steps: # Steps to be executed in the job
                    name. "Dunning on workflow dispatch" # Ston 1
```