

Screenshot: git clone successfully

```
Bash
odl_user [ ~ ]$ git clone git@github.com:nhan-123/project2-azure-udacity.git
Cloning into 'project2-azure-udacity'...
The authenticity of host 'github.com (20.205.243.166)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvV6TuJhbpZisF/zLDA0zPMSvHdKr4UvCOqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])?
Host key verification failed.
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.
odl_user [ ~ ]$ git clone git@github.com:nhan-123/project2-azure-udacity.git
Cloning into 'project2-azure-udacity'...
The authenticity of host 'github.com (20.205.243.166)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvV6TuJhbpZisF/zLDA0zPMSvHdKr4UvCOqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
remote: Enumerating objects: 78, done.
remote: Counting objects: 100% (78/78), done.
remote: Compressing objects: 100% (46/46), done.
remote: Total 78 (delta 19), reused 66 (delta 15), pack-reused 0
Receiving objects: 100% (78/78), 223.50 KiB | 331.00 KiB/s, done.
Resolving deltas: 100% (19/19), done.
odl_user [ ~ ]$ ls
cloudrive  project2-azure-udacity
odl_user [ ~ ]$
```

Screenshot: pass test

```
Bash
Requirement already satisfied: astroid<2.14.0-dev0,>=2.12.4 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from pylint->r requirements.txt (line 5)) (2.12.4)
Requirement already satisfied: pluggy<2.0,>=0.12 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from pytest->r requirements.txt (line 6)) (1.0.0)
Requirement already satisfied: attrs>=19.2.0 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from pytest->r requirements.txt (line 6)) (22.1.0)
Requirement already satisfied: packaging in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from pytest->r requirements.txt (line 6)) (21.3)
Requirement already satisfied: iniconfig in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from pytest->r requirements.txt (line 6)) (1.1.1)
Requirement already satisfied: py>=1.8.2 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from pytest->r requirements.txt (line 6)) (1.11.0)
Requirement already satisfied: wrapt<2,>=1.11 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from astroid<2.14.0-dev0,>=2.12.4->pylint->r requirements.txt (line 5)) (1.14.1)
Requirement already satisfied: lazy-object-proxy>=1.4.0 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from astroid<2.14.0-dev0,>=2.12.4->pylint->r requirements.txt (line 5)) (1.7.1)
Requirement already satisfied: pyparsing!=3.0.5,>=2.0.2 in /home/odl_user/.flask-ml-azure/lib/python3.9/site-packages (from packaging->pytest->r requirements.txt (line 6)) (3.0.9)
pylint --disable=R,C hello.py

-----
Your code has been rated at 10.00/10 (previous run: 10.00/10, +0.00)

python -m pytest -vv test_hello.py

test session starts
platform linux -- Python 3.9.13, pytest-7.1.2, pluggy-1.0.0 -- /home/odl_user/.flask-ml-azure/bin/python
cachedir: .pytest_cache
rootdir: /home/odl_user/project2-azure-udacity/C2-AgileDevelopmentwithAzure/azure_pipelines_exercise/starter_files
collected 1 item

test_hello.py::test_hello_subtract PASSED [100%]

===== 1 passed in 0.01s =====
```

Screenshot: build github action successfully

✓ update file Python application test with Github Actions #12

Re-run all jobs ...

Summary

Jobs

✓ build

build
succeeded 1 minute ago in 27s

Search logs

Set up job1s

Run actions/checkout@v21s

Set up Python 3.90s

Install dependencies24s

Lint with pylint0s

Test with pytest0s

Post Run actions/checkout@v20s

Complete job0s



Sklearn Prediction Home

Screenshot: make predict successfully

```
(.flask-m1-azure) odl_user [ ~/project2-azure-udacity ]$ az webapp up --name mywebapp31082022 --resource-group Azuredevops --runtime "PYTHON:3.7"
Webapp 'mywebapp31082022' already exists. The command will deploy contents to the existing app.
Creating AppServicePlan 'odl_user_206239_asp_2788' ...
Creating zip with contents of dir /home/odl_user/project2-azure-udacity ...
Getting scm site credentials for zip deployment
Starting zip deployment. This operation can take a while to complete ...
Deployment endpoint responded with status code 202
You can launch the app at http://mywebapp31082022.azurewebsites.net
Setting 'az webapp up' default arguments for current directory. Manage defaults with 'az configure --scope local'
--resource-group/-g default: Azuredevops
--sku default: F1
--plan/-p default: odl_user_206239_asp_2788
--location/-l default: centralus
--name/-n default: mywebapp31082022
{
  "URL": "http://mywebapp31082022.azurewebsites.net",
  "appserviceplan": "odl_user_206239_asp_2788",
  "location": "centralus",
  "name": "mywebapp31082022",
  "os": "Linux",
  "resourcegroup": "Azuredevops",
  "runtime_version": "PYTHON|3.7",
  "runtime_version_detected": "-",
  "sku": "FREE",
  "src_path": "//home//odl_user//project2-azure-udacity"
}
(.flask-m1-azure) odl_user [ ~/project2-azure-udacity ]$ ./make_predict_azure_app.sh
Port: 443
{"prediction": [20.35373177134412]}
```

The screenshot shows the Azure DevOps Pipelines interface for a project named 'myproject'. The left sidebar contains navigation links: Overview, Boards, Repos, Pipelines, Environments, Releases, Library, Task groups, Deployment groups, and Project settings. The main area displays the 'Summary' tab for a pipeline run. The pipeline was manually run by 'ODL_User 208659'. It shows the repository 'nhan-123/project2-azure-udacity' at commit '441e13f6' on the 'main' branch. The run started at 1:23 AM and took 8m 20s. It includes 0 work items and 1 published artifact. The 'Stages' section shows two stages: 'Build stage' (1 job completed, 59s) and 'Deploy Web App' (1 job completed, 7m 0s). A 'View change' button is visible in the top right of the summary section.