

## **ASSIGNMENT – II**

### **Q&A PLATFORM INTEGRATING WITH DEVOPS TOOLS**

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**COURSE CODE** : 21IE21

**COURSE NAME** : DEVOPS USING PYTHON

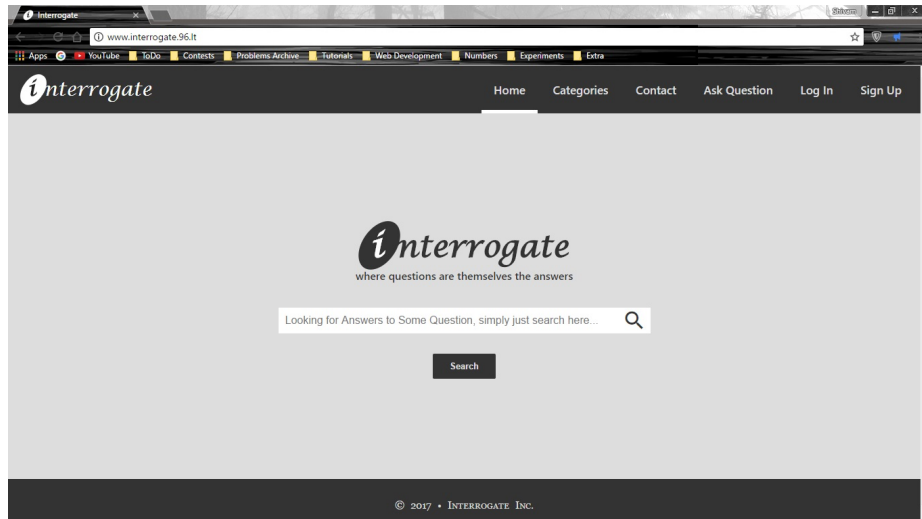
**DEPT** : ARTIFICIAL INTELLIGENCE

AND DATA SCIENCE

**YEAR & SEC** : III – A

# QUESTION ANSWER PLATFORM

## FRONTEND:



```
> myenv
✓ qa_platform
  ✓ qa
    > __pycache__
    > migrations
    > templates
    📄 __init__.py
    📄 admin.py
    📄 apps.py
    📄 models.py
    📄 tests.py
    📄 urls.py
    📄 views.py
  ✓ qa_platform
    > __pycache__
    📄 __init__.py
    📄 settings.py
    📄 urls.py
    📄 wsgi.py
    📄 db.sqlite3
    📄 manage.py
```

# INTEGRATION:

- (myenv) jaswanthb@JASWANTHsLaptop devops % git config --global user.email "jaswanthb1711@gmail.com"
- (myenv) jaswanthb@JASWANTHsLaptop devops % git config --global user.name "Jaswanth171104"
- (myenv) jaswanthb@JASWANTHsLaptop devops % git init

Initialized empty Git repository in /Users/jaswanthb/Desktop/devops/.git/

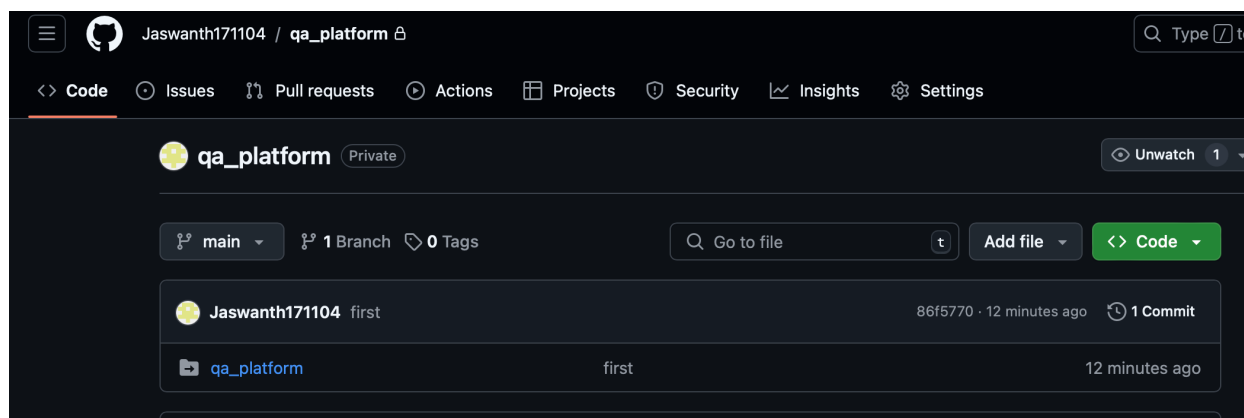
# GIT:

- (myenv) jaswanthb@JASWANTHsLaptop devops % git add qa\_platform  
warning: adding embedded git repository: qa\_platform  
hint: You've added another git repository inside your current repository.  
hint: Clones of the outer repository will not contain the contents of  
hint: the embedded repository and will not know how to obtain it.  
hint: If you meant to add a submodule, use:  
hint: git submodule add <url> qa\_platform  
hint: If you added this path by mistake, you can remove it from the  
hint: index with:  
hint: git rm --cached qa\_platform  
hint: See "git help submodule" for more information.
- (myenv) jaswanthb@JASWANTHsLaptop devops % git commit -m "first"  
[main (root-commit) 86f5770] first  
1 file changed, 1 insertion(+)  
create mode 160000 qa\_platform
- (myenv) jaswanthb@JASWANTHsLaptop devops % git branch  
\* main

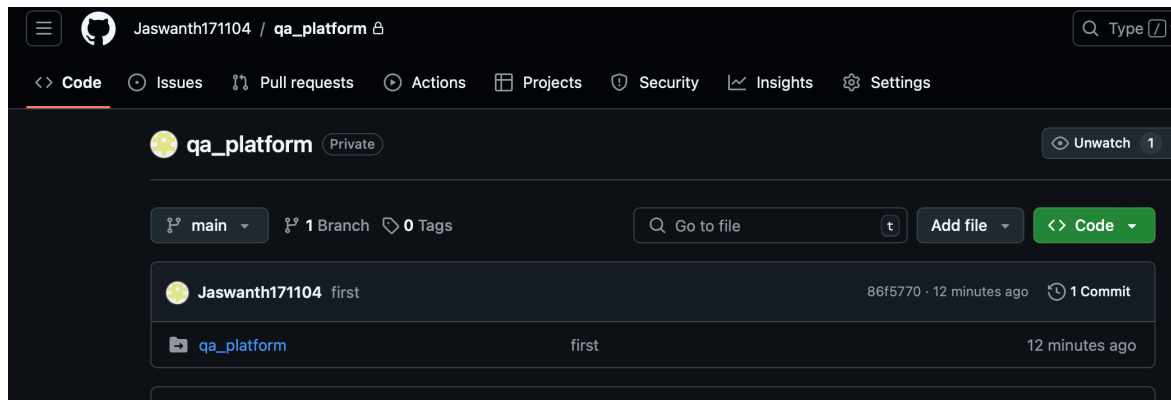
- (myenv) jaswanthb@JASWANTHsLaptop devops % git remote add origin https://github.com/Jaswanth171104/qa\_platform.git
- (myenv) jaswanthb@JASWANTHsLaptop devops % git push -u origin main

Enumerating objects: 2, done.  
Counting objects: 100% (2/2), done.  
Writing objects: 100% (2/2), 203 bytes | 203.00 KiB/s, done.  
Total 2 (delta 0), reused 0 (delta 0), pack-reused 0  
To https://github.com/Jaswanth171104/qa\_platform.git  
\* [new branch] main -> main  
branch 'main' set up to track 'origin/main'.

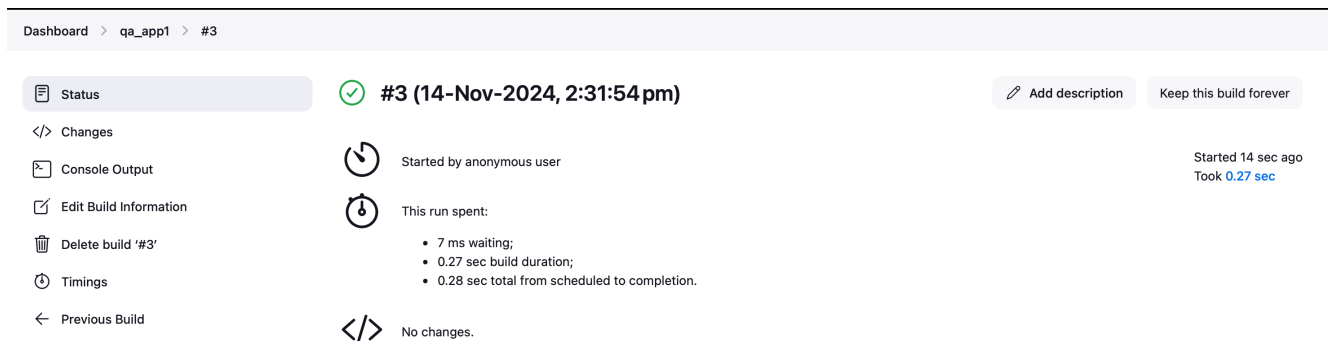
# GITHUB:











# GITHUB FOLDER:



# JENKINS:



# DOCKER:

<input type="checkbox"/>	ubuntu	latest		1 month ago	100.65 MB				f825f99d3d8a
<input type="checkbox"/>	qa-app	latest		54 seconds ago	231.29 MB				84470419a578

```
● (myenv) jaswanthb@JASWANTHsLaptop devops % docker build -t qa-app .
```

```
[+] Building 7.2s (10/10) FINISHED                                docker:desktop-linux
=> [internal] load build definition from dockerfile                0.0s
=> => transferring dockerfile: 549B                                0.0s
=> [internal] load metadata for docker.io/library/python:3.9-slim 1.6s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                       0.0s
=> [1/5] FROM docker.io/library/python:3.9-slim@sha256:6250eb7983c08b3cf5a7db9309f863 0.0s
=> [internal] load build context                                  0.2s
=> => transferring context: 1.16MB                                    0.2s
=> CACHED [2/5] WORKDIR /app                                       0.0s
=> [3/5] COPY requirements.txt ./                                  0.0s
=> [4/5] RUN pip install --no-cache-dir -r requirements.txt       4.9s
=> [5/5] COPY . .                                                 0.2s
=> exporting to image                                              0.2s
=> => exporting layers                                              0.2s
=> => writing image sha256:84470419a5786861c7b82b8dc4a478ff3bb02505d16e3a078d81cb97e9 0.0s
=> => naming to docker.io/library/qa-app                            0.0s
```

