

Creating a Job in Gitlab

Step 1: Follow the steps to initialize a git repo on your local.

Step 2: Develop all the code which is required and test it on local

Step 3: In Gitlab we need to write scripts and store it in a file. Create a file named, .gitlab-ci.yml file and write the scripts which is required to run the pipeline.

Step 4: For example, let us write a simple script which will build and execute a java program which is running on our local.

Step 5: Paste the following script inside the YAML file.

```
image: openjdk:latest

stages:
  - build
  - execute

build:
  stage: build
  script:
    - javac *.java
  artifacts:
    paths:
      - '*.class'

execute:
  stage: execute
  script:
    - for file in *.class; do java -cp . "${file%.class}"; done
```

Note: While writing scripts you need to be careful about the syntax, because a single extra space can also cause an error

Step 6: In the above script we are executing two jobs, **BUILD and EXECUTE**. Build job will compile the java program and execute job will run the java programs.

Step 7: Push all the code into the repo.

Step 8: On the left hand side you can see the pipeline which will get automatically triggered once the code has been pushed.

Step 9: If there is an error in the pipeline, you can see the error message on the UI, or if the pipeline is successful, then it will show you the success message,