



FEBRUARY 10, 2023

# DevOps Classroomnotes 10/Feb/2023

## Manual Steps

- Clone the code from here [Refer Here](#)
- Softwares needed

```
docker:

curl -fsSL https://get.docker.com -o get-docker.sh
sh get-docker.sh
sudo usermod -aG docker qtdevops
# exit
# relogin
docker info
```

- Build Steps:

```
git clone https://github.com/DevProjectsForDevOps/StudentCoursesRestAPI.git
cd StudentCoursesRestAPI
docker image build -t studentcourses:v1.0 .
```

## Pipeline requirements

- Build docker image with BuildNumber as Tag and version from parameter (v1.0-)

```
docker image build -t studentcourses:<version>-<build-id> .
```

- Pipeline is as follows

```
---
pool:
  vmImage: ubuntu-latest
  name: "Azure Pipelines"

triggers:
  - master

parameters:
  - name: version
    displayName: version
    type: string
    default: v1.0

steps:
  - task: Docker@2
    inputs:
```

- Next steps:
  - Expressions
  - Service Connections
  - Templates
  - Deploy/Release pipelines
  - Artifacts

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