

## Fifth Area of Git



- Git Stash
- Using git stash we can preserve local changes
- [Refer Here](#) for docs

## Cloning Git Repo

- Git provides three major types of clone
  - clone:
    - working tree
    - local repo
  - bare clone: This is used in Git Remote Repos (servers)
    - local repo
  - mirror clone: This is used to create a new repo from existing repo.

## Git Submodules

- Submodules help in hosting one git repository in another
- [Refer Here](#) for docs
- [Refer Here](#) for subtree docs

## Git Alias

- [Refer Here](#)

## Git Hooks

### setup

- Clone any repo of yours into some folder
- navigate to `.git\hooks`

```
cd .git\hooks  
cp commit-msg.sample commit-msg
```

- Ensure you have the following content

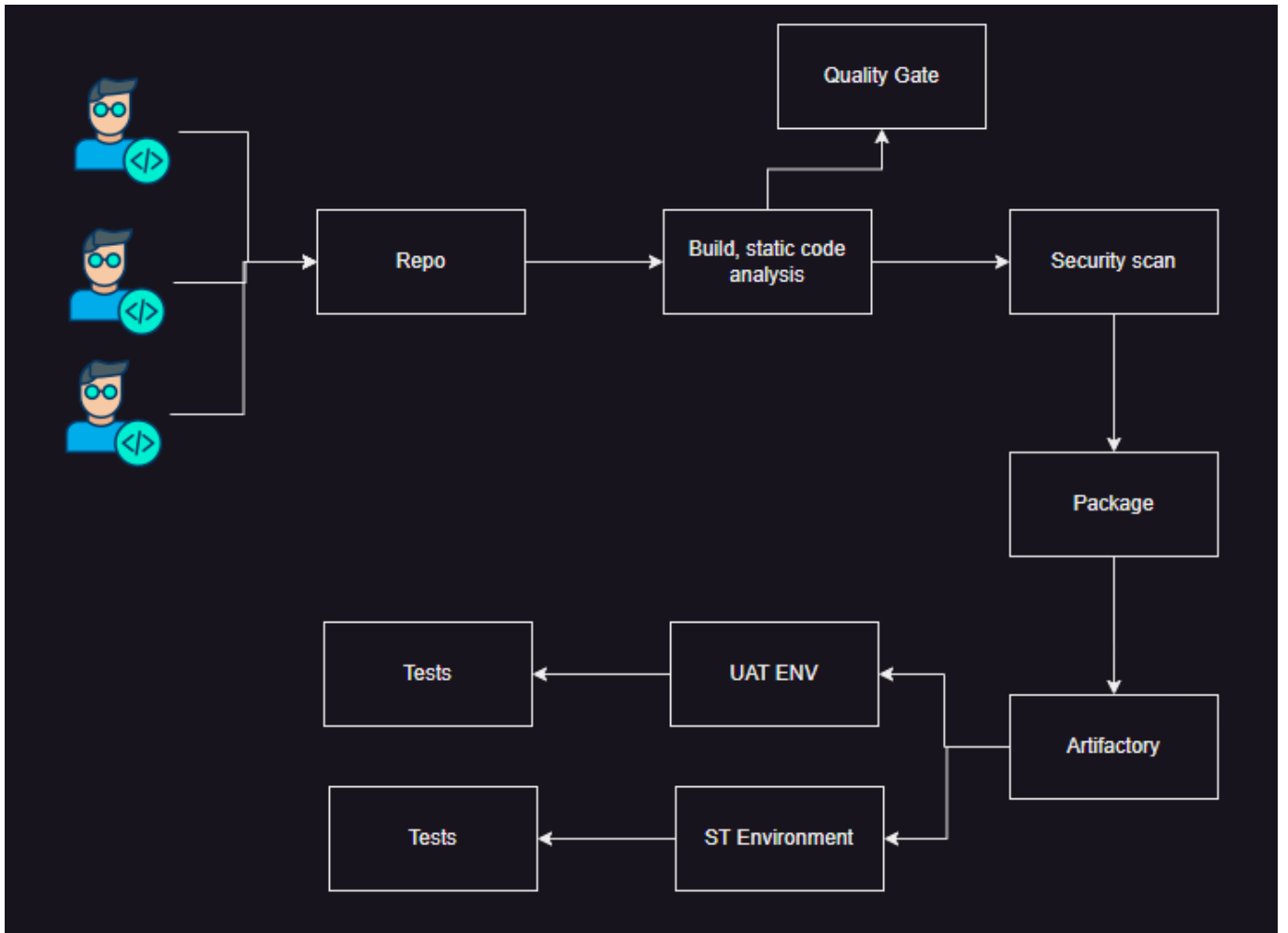
```
#!/bin/bash  
exit 1
```

- now try committing any change in your repo and observe what happens
- now change the hook

```
#!/bin/bash  
exit 0
```

- Now try commit any change and observe what happens
- Git hooks are scripts that get executed on performing some action. If the script returns 0 then the action will be perform else rejected
- [Refer Here](#) for git hooks samples

## Workshop



You are supposed to write pipeline as Code in Jenkins and i will be show casing all the manual steps.