

## 61.23Jun.YAML Files

Friday, June 23, 2023 6:59 PM

YAML = Yet Another Markup Language.

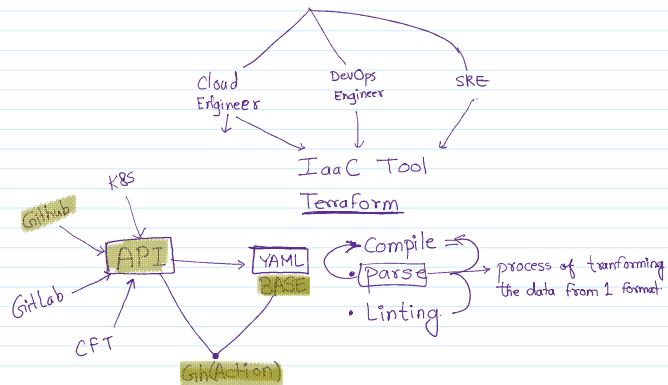
- Industry Lead File Format.
- Data transfer Language (System to System)
- XML → JSON → YAML

### (A) Cloud Vendor's

AWS = CloudFormation → Create IaC  
Azure = Cloud Services } → Infra, Config  
GCP = Google Service } Deployment

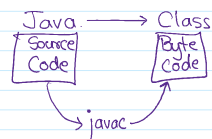
### (B) DevOps/SRE (Site Reliability Engineer)

- VCS (Git) = Github, GitLab
- Build = YAML.
- CI (Jenkins) = Plugins
- CD Deployment (Ansible, puppet, chef, Salt)
- Container = Docker & Compose.
- Orchestration = YAML



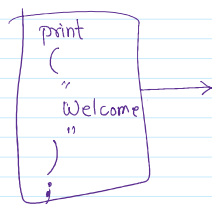
### • Compile

- Syntax Validation.
- Convert Code into different Language.

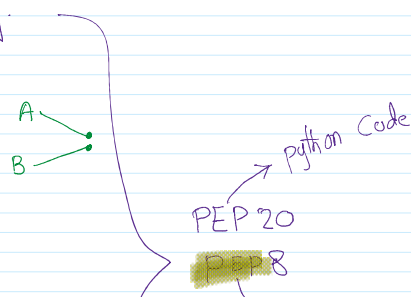


### • Linting

- ✓ • Syntax Validation
- ✓ • Style, Formatting, analysis
- Defect Code Quality.



- bad code detection.



⌋

- bad code detection.
- Security analysis
- Performance analysis

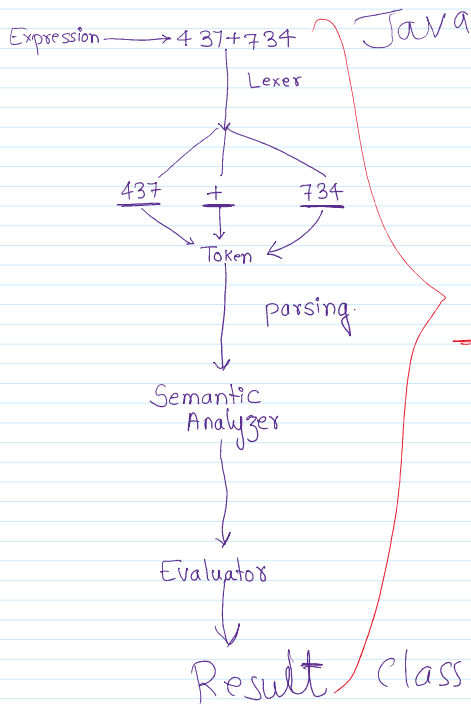
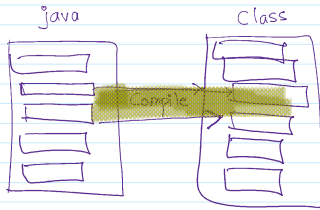
PEP 20

PEP 8

python

Enhancement

Program



Convert

1/2/3/4/5

compile (whole)

Interpreter = (Line by Line)

## Github Actions

1. Create Remote Repository in github
2. Git Clone / Local Init --> Add Remote Origin
3. Open Project in VSCode
4. Create File .github/workflows/Welcome.yaml
5. Write YAML Code
 

```
name: 'Display greeting message'
on: [push]
jobs:
  Job-Message-Actions:
    runs-on: ubuntu-latest
    steps:
      - run: echo "Welcome to github runner and my OS is ${runner.os}"
      - run: echo "Event name is ${github.event_name}"
      - run: ls ~
      - run: pwd
      - run: ls ${github.workspace}
```
6. Add --> Commit --> Push
7. Check in Actions --> Job