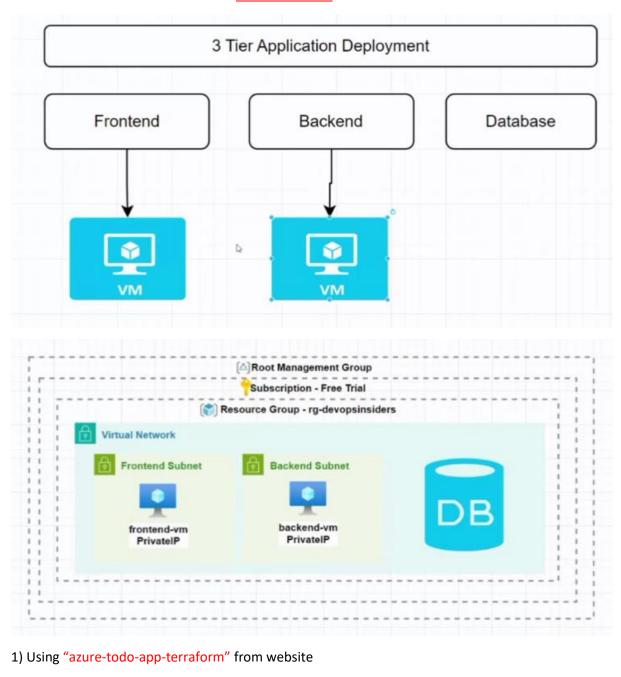
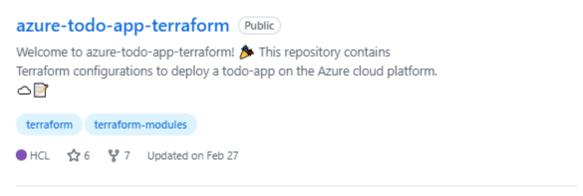
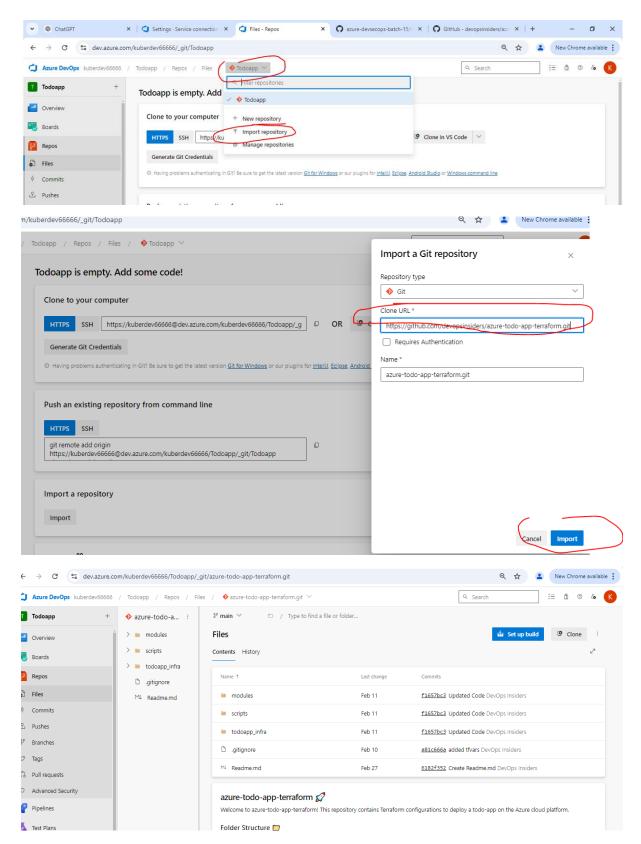
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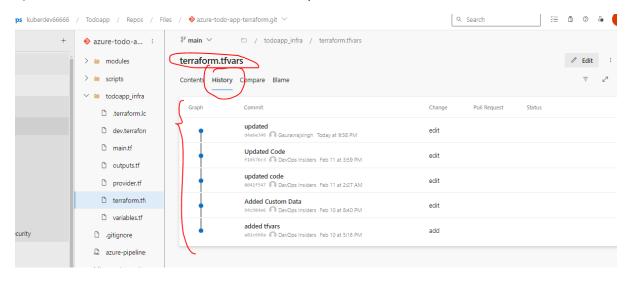
2) Make new project and do import repo as shown below



- 3) Now we will make pipeline to deploy this imported code
- 4) After making pipeline git clone the repo in our local and open with vs code

```
C:\3 Aug Todoapp>git clone https://kuberdev66666@dev.azure.com/kuberdev66666/Todoapp/_git/azure-todo-app-terraform.git
Cloning into 'azure-todo-app-terraform'...
remote: Azure Repos
remote: Found 74 objects to send. (16 ms)
Unpacking objects: 100% (74/74), 14.21 KiB | 39.00 KiB/s, done.
C:\3 Aug Todoapp>
```

- 5) Now in vs code made changes and open terminal and perform below steps
- i) git add.
- ii) git commit -m "updated tfvars"
- iii) git push
- 6) Now refresh dev.azure.com, which will show updated code in it

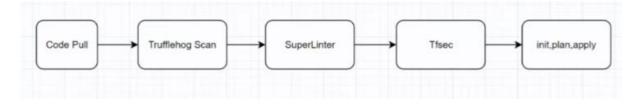


7)

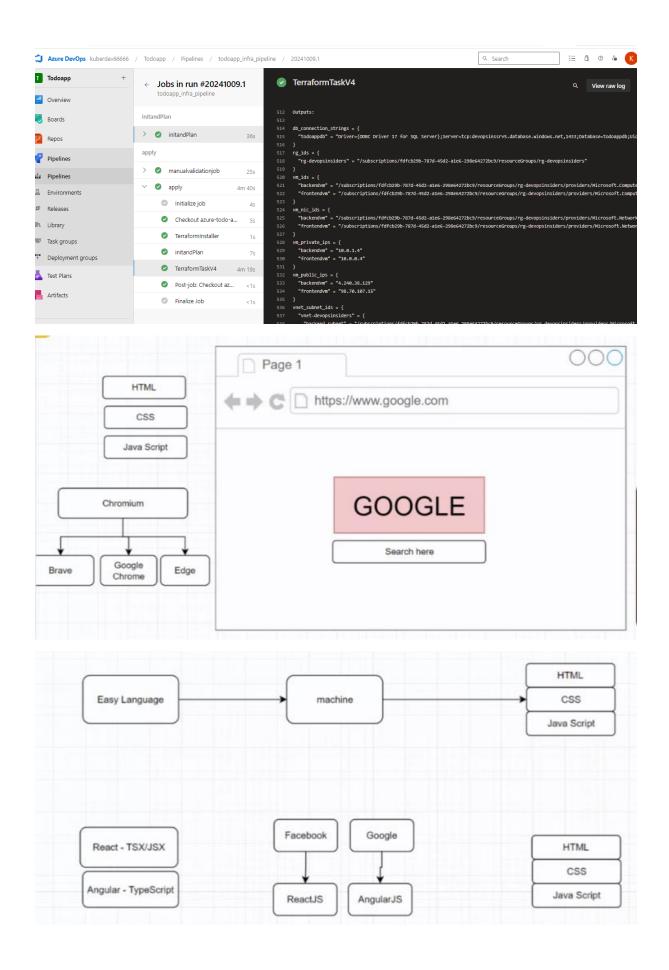
- 8) Functions used in code
- i) lookup
- ii) ceil
- iii) transpose

iv)

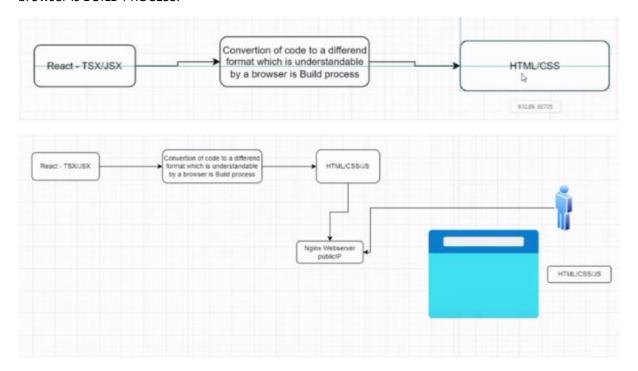
8a) So the flow is as below



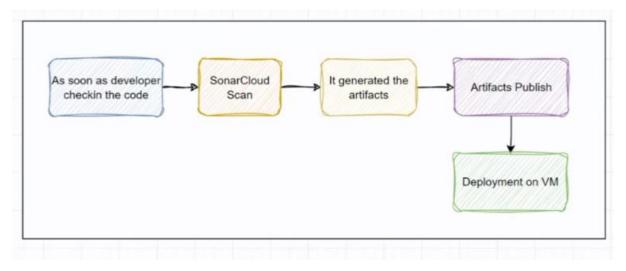
9) Now our pipeline is successful means our infra is successfully created to deploy application on it.



10) **BUILD PROCESS** = Conversation of code to a different format which is understandable by a browser is BUILD PROCESS.



11) Now for deployment



- 1) After this monolithic architecture end to end manual deployment will be completed
- i) Landing zone with terraform pipeline
- ii) nginx data script se khatam
- iii) Pipeline deployment completed with this setup i.e. fronted and backend
- iv) code quality completed by sonar cube
- v) Unit test case alag team
- vi) Vulnerability scan by checkmarks tool and checkov tool

- vii) infrastructure vulnerability completed by tfsec
- viii) Trufflehog se secret management completed
- ix) Linting process completed by super linter

x)