**STEPS TO SETUP AZURE DEVOPS CI CD PIPELINE FOR APP SERVICE & DEPLOY TO DEV, QA AND PRODUCTION SERVER. ADD APPROVER FOR EVERY STAGE**

1. Sign in to dev.azure.com
2. Using your credentials create an organization and a new project under the organization.
3. Connect your github or upload your code to the project.
4. To create your own project:

>md HelloWorldApp

>cd HelloWorldApp

>dotnet new

>dotnet new sln

>dir

>dotnet new mvc -n HelloWorldApp.web

>dotnet sln HelloWorldApp.sln add HelloWorldApp.web\HelloWorldApp.web.csproj

>code .

>cd HelloWorldApp.web

>dotnet run

1. On the left side select PIPELINE and create new pipeline.
2. Fill the required fields and run the pipeline.
3. After a few seconds you will see a green tick which means your job is built successfully.
4. If you click on the job, you can see the log.
5. Once the job is successful, create a release pipeline.
6. Before creating release pipeline, sign in to azure portal and create a new resource group and a webapp under the same.
7. Log back to Azure devops and create a release pipeline.
8. Select the suitable template to deploy your application.
9. Change the first stage name to DEV and add an approver (manager/lead) so that the build is initialized only when he approves it.
10. Select the subscription and resource group the application falls under.
11. Click on artifacts and set it up.
12. Once you are done, run the pipeline.
13. Within seconds the job starts running.
14. Once it is success, edit the release pipeline and add QA & DEPLOY stage as well.
15. Make sure to add the approvals and also enable the the git-icon, so that any changes in the github code will automatically make pipeline to run.
16. Once all the jobs are successful, click on the link on the azure portal.
17. Your application is successfully deployed onto the server.

