Deploy Web application to Azure

1. Login to Azure and create a new resource group (RG).
2. Create a new App Service with Runtime Stack as .Net Core 3.1 , Linux operating system in the same resource group.
3. Create Microsoft SQL Server data base on the Azure and get the service connection.
4. Create a network security group and update it on App service and SQL server.
5. Open the necessary ports for SQL server and Http connections.
6. Ensure that the app service can communicate to SQL server.
7. Open the AppSettings.json file from the GitHub repository and update the connection string with new service connection from Azure SQL Server and check in the changes.
8. Go to Azure pipelines and Create a new build pipeline
9. Select the GitHub as the source for the repository and select the build environment as ASP.Net Core.
10. Click Save and run. The build will be ready.
11. Add a trigger to run the build job when there is any check in happening to the source code.
12. Create a new release pipeline and select the artifacts from the build pipeline.
13. Add a new stage and configure to run the Test project.
14. Add a condition to check with the test results are successful
15. Add a task for manual approval before the deployment.
16. Add a new stage to deploy the build artifacts to the App service.
17. Click Save and run.
18. The Website should be up and running.
19. Connect to the database and check the table for pre populated data.