1-created repo named “advworks” and commit all changes in

2-create .gitignore file to ignore files end with obj or bin

3- problem with sql server “SSMS” : failed to connect to sql server

4-instead sql server, used sql command line to create data base named “adventureworks” with table named “persone”

5- download .NET by mvc “model view controller” and install (sdk ,runtime, asp.net core runtime)

6- install asp.net core web app template by terminal “dotnet new mvc –name advworks –output advworks”

7-build dockerfile fore rest api

8- pull sql server image by docker

9- Configure the connection string in appsettings.json

10-build image asp.net successfully by using docker command :

Docker build –t advworks .

11-run image successfully buy : docker container run –d advwork

11- Set Up Docker Compose

12- install Jenkins and Configure GitHub webhooks to trigger Jenkins builds on each commit.

13-problem with localhost in Jenkins “need public url to link with github” solved by install ngrok

And create public link

14-build Jenkins file

-**Docker container run –d --publish 80:80 –name (give name to container)**

dotnet new mvc –name advworks –output advworks”

-**Docker stop (container given name)**