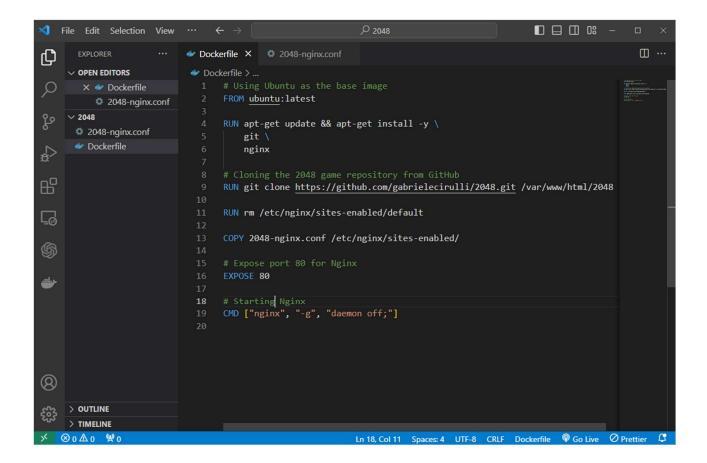
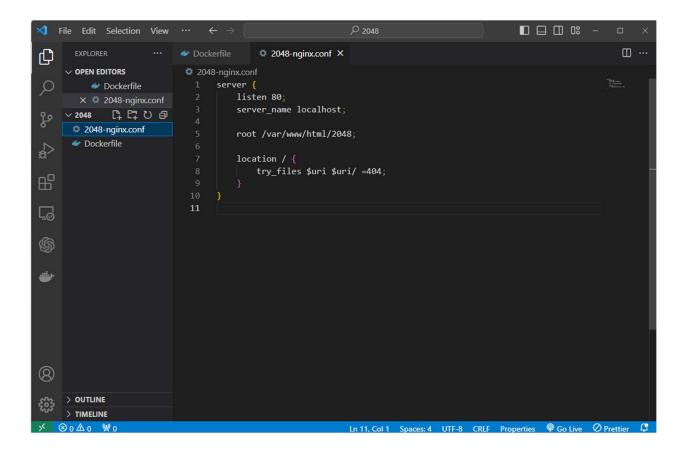
Deploying 2048-Game on Nginx Server

- Snippet for the Dockerfile that will be used to build the image for the project is attached below.
- Ubuntu is used as the base Image
- Nginx Server is installed
- Code for the 2048 game is cloned from the GitHub repository
- Configurations of Nginx are updated to allow it to listen
- Port 80 of the Nginx server is exposed.



- Setting Up the configurations of Nginx server to listen on port 80:



- Image is built using the docker command: 'docker build -t 2048-game .':

```
©%. C:\Windows\System32\cmd.e X
Microsoft Windows [Version 10.0.22621.2428]
(c) Microsoft Corporation. All rights reserved.
C:\Users\agastya\OneDrive\Desktop\Docker Projects\2048>docker -v
Docker version 20.10.22, build 3a2c30b
C:\Users\agastya\OneDrive\Desktop\Docker Projects\2048>docker build -t 2048-game .
[+] Building 46.2s (10/10) FINISHED

=> [internal] load build definition from Dockerfile

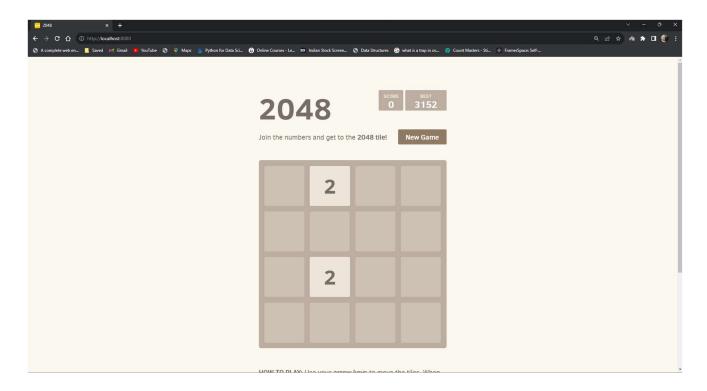
=> => transferring dockerfile: 628B

=> [internal] load .dockerignore
Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them
C:\Users\agastya\OneDrive\Desktop\Docker Projects\2048>docker images
                                                             IMAGE ID
de4a1e6985f9
                                                                                CREATED
REPOSITORY
                                                  TAG
                                                                                                   SIZE
                                                                                9 seconds ago
2048-game
                                                  latest
                                                                                                   250MB
```

- Image is built and ready to be run in the container:

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
2048-game	latest	de4a1e6985f9	9 seconds ago	250MB
<none></none>	<none></none>	155e6a71da6b	9 days ago	185MB
agastya0452/my_test_image_custom	latest	453acec6d834	6 weeks ago	77.8MB
my_exported_image	latest	47e557f8d910	6 weeks ago	196MB
redis	alpine	2d5230e57b1b	7 weeks ago	37.8MB
ubuntu	latest	c6b84b685f35	2 months ago	77.8MB
mycloudregistry.azurecr.io/mytestimage	latest	f4270eef6cf8	7 months ago	77.8MB
docker/getting-started	latest	3e4394f6b72f	10 months ago	47MB

- Now checking port 8080 to see if the game is ready to play and accessible :



So, the game is up and running on 'localhost: 8080' through Nginx server.