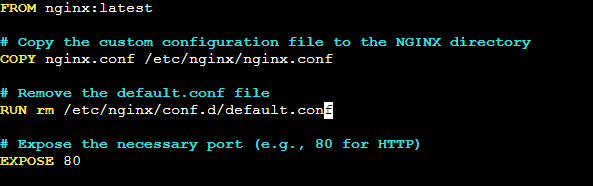
**Adding Proxy to our 2-tier project**

* We have already deployed our 2 tier project in the container.
* Now we have to add the proxy.
* We need to create a Dockerfile for the proxy.
* Go to the instance and create a directory named proxy.
* Enter the directory using cd command and create a Dockerfile inside proxy.
* Add the instructions as given below.



* In the Dockerfile we are copying the nginx.conf from our local instance to the container.
* So we need nginx.conf file on our instance.
* Create a nginx.conf file.
* Add the configuration to the file.

**user nginx;**

**worker\_processes 1;**

**error\_log /var/log/nginx/error.log warn;**

**pid /var/run/nginx.pid;**

**events {**

**worker\_connections 1024;**

**}**

**http {**

**include /etc/nginx/mime.types;**

**default\_type application/octet-stream;**

**log\_format main '$remote\_addr - $remote\_user [$time\_local] "$request" '**

**'$status $body\_bytes\_sent "$http\_referer" '**

**'"$http\_user\_agent" "$http\_x\_forwarded\_for"';**

**access\_log /var/log/nginx/access.log main;**

**sendfile on;**

**tcp\_nopush on;**

**tcp\_nodelay on;**

**keepalive\_timeout 65;**

**types\_hash\_max\_size 2048;**

**include /etc/nginx/conf.d/\*.conf;**

**server {**

**listen 80;**

**server\_name localhost;**

**location / {**

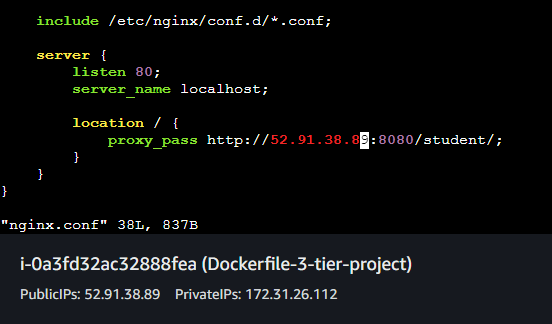
**proxy\_pass http://** **52.91.38.89:8080/student/;**

**}**

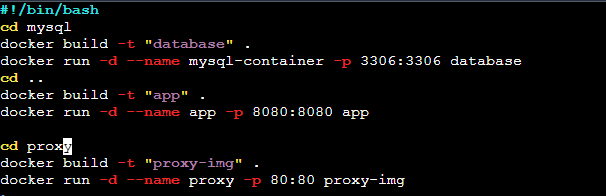
**}**

**}**

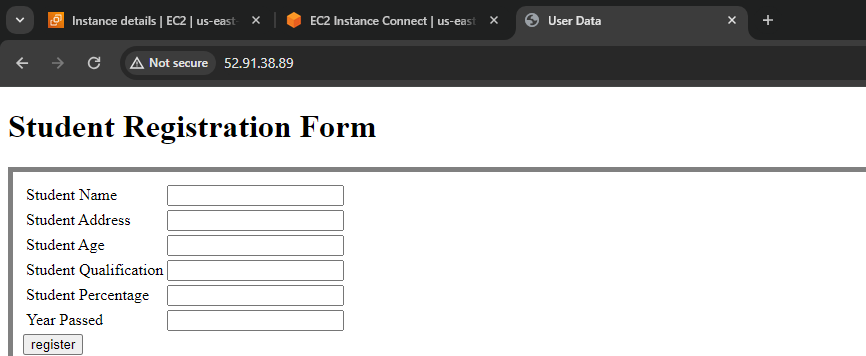
* The configuration file contains default configuration.
* We have only added the proxy\_pass.

****

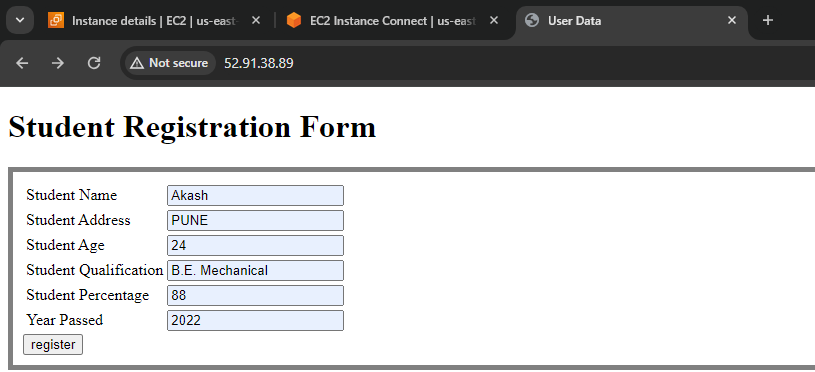
* In our Dockerfile we are also removing the default.conf file from the container which shows the default page welcome page of nginx.
* Now change the directory to /home/ec2-user.
* Open the script.
* Add the commands to build the nginx image from the Dockerfile.
* Also add the commands to run the image to create a container from the image.

****

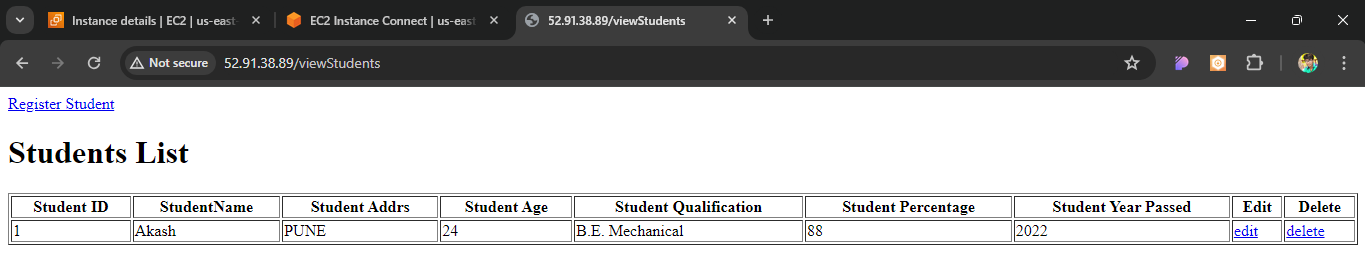
* Now run the script.
* Try to hit the IP of instance.
* Hit the IP of the instance with the port number 80.
* Our page is visible.



* Fill the registration form and click register.



* Our data is also saved in the database.



* Proxy is working.