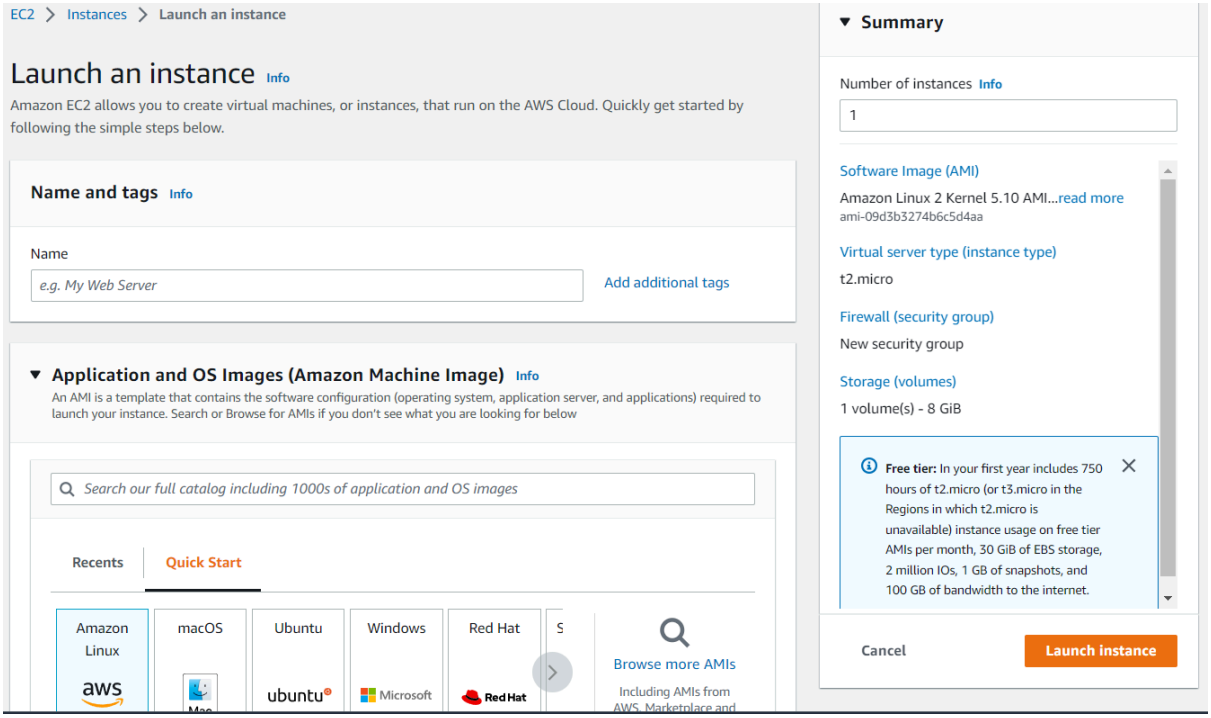
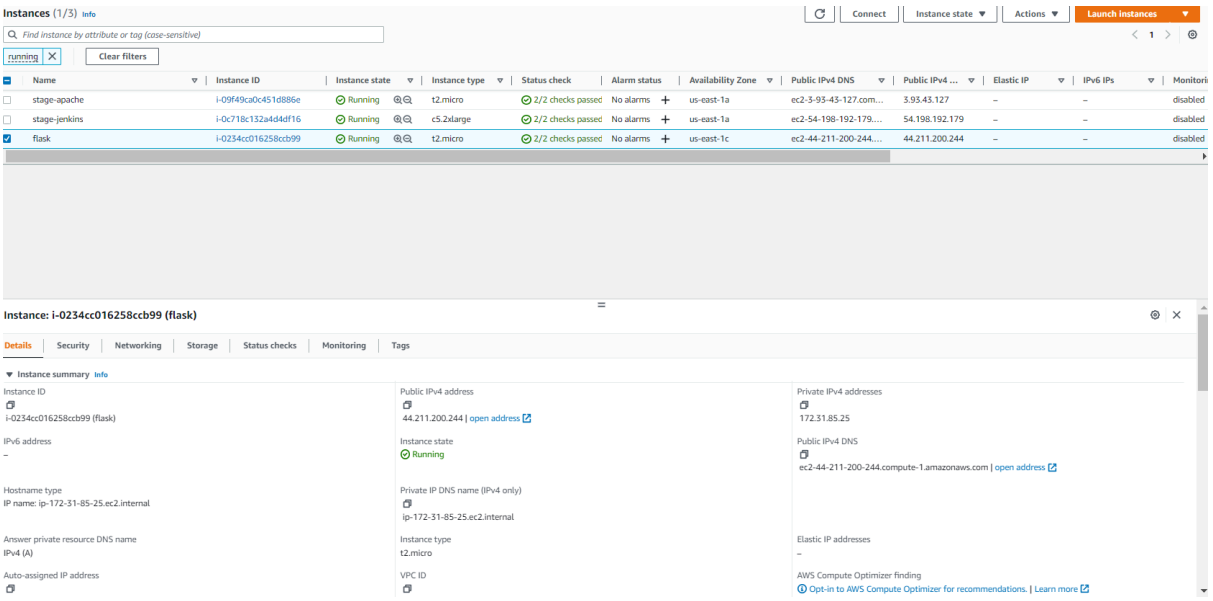
Python flask

First we have to create security groups for python flask.
ssh———————22———————my ip———————>this is for admin purpose.
tcp———————— 5000(default)————————anywhere(0.0.0.0/0)————>This is for enduser purpose.

First we have to login to the console—>click on ec2 dashboard—> click on create instance—->after that we can pass name of an instance, ami and storage.



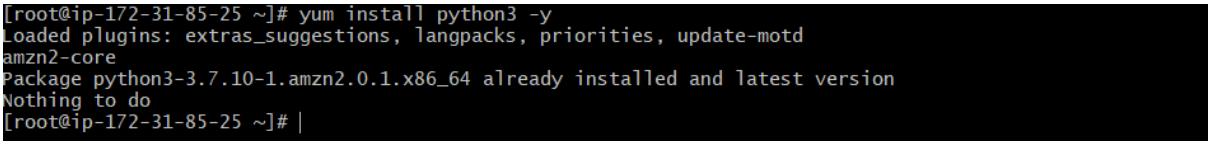
—->After that click on create instance—--> the instance is created.



Then we connect to the server, by using below command
ssh -i xxx.pem ec2-user@public ip

Then we connect to the root user using the below command.
sudo su -

Then we can install python, by using below command
yum install python3 -y



After that install python flask, using below command
pip3 install flask

```
root@ip-172-31-85-25 ~]# pip3 install flask
ARNING: Running pip install with root privileges is generally not a good idea. Try `pip3 install --user` instead.
ollecting flask
 Downloading Flask-2.2.2-py3-none-any.whl (101 kB)
    |████████████████████████████████| 101 kB 13.5 MB/s
ollecting importlib-metadata>=3.6.0; python_version < "3.10"
 Downloading importlib_metadata-5.0.0-py3-none-any.whl (21 kB)
ollecting click>=8.0
 Downloading click-8.1.3-py3-none-any.whl (96 kB)
    |████████████████████████████████| 96 kB 10.3 MB/s
ollecting itsdangerous>=2.0
 Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
ollecting Jinja2>=3.0
 Downloading Jinja2-3.1.2-py3-none-any.whl (133 kB)
    |████████████████████████████████| 133 kB 41.9 MB/s
ollecting Werkzeug>=2.2.2
 Downloading Werkzeug-2.2.2-py3-none-any.whl (232 kB)
    |████████████████████████████████| 232 kB 41.1 MB/s
ollecting typing-extensions>=3.6.4; python_version < "3.8"
 Downloading typing_extensions-4.4.0-py3-none-any.whl (26 kB)
ollecting zipp>=0.5
 Downloading zipp-3.10.0-py3-none-any.whl (6.2 kB)
ollecting MarkupSafe>=2.0
 Downloading MarkupSafe-2.1.1-cp37-cp37m-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (25 kB)
nstalling collected packages: typing-extensions, zipp, importlib-metadata, click, itsdangerous, MarkupSafe, Jinja2, Werkzeug, flask
uccessfully installed Jinja2-3.1.2 MarkupSafe-2.1.1 Werkzeug-2.2.2 click-8.1.3 flask-2.2.2 importlib-metadata-5.0.0 itsdangerous-2.1.2 typing-extensions-4.4.0 zipp-3.10.0
root@ip-172-31-85-25 ~]#
```

Then we can open the app.py file,

vi app.py

Here we can pass the code—>then save it.

```
from flask import Flask

app = Flask(_name_)
@app.route("/")
def homepage():
    return "<h1>hello this is python flask<h1>"
if _name_ =="_main_":
    app.run(host='0.0.0.0',port=8080)
```

```
from flask import Flask

app = Flask(__name__)
@app.route("/")
def homepage():
    return "<h1>hello this is python flask<h1>"
if __name__ =="__main__":
    app.run(host='0.0.0.0',port=5000)
```

—->to see the content in command line by using below command

cat app.py

```
C[root@ip-172-31-91-27 ~]# cat app.py
rom flask import Flask

pp = Flask(__name__)
app.route("/")
ef homepage():
    return "<h1>hello this is python flask<h1>"
f __name__ =="__main__":
    app.run(host='0.0.0.0',port=5000)
root@ip-172-31-91-27 ~]#
```

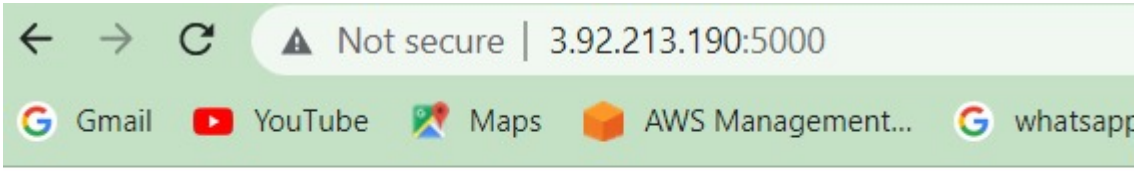
—After that to run the flask,we are using below command

python3 app.py

```
[root@ip-172-31-85-25 ~]# python3 app.py
 * Serving Flask app 'app'
 * Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on all addresses (0.0.0.0)
 * Running on http://127.0.0.1:5000
 * Running on http://172.31.85.25:5000
Press CTRL+C to quit
```

—-->if we are entering ctrl+c , it means we are came out of the server—>we are unable to access the page.so we are not enter ctrl+c, to access the page.

—---> to access the page by using public ip:5000, shown below.



hello this is python flask