

## Assingment-3: Flask, sqlalchemy, sqlite

Name: Adil Ergazin CS-2115



#### **Assignment-3**

# Connect to the site's documantation by API and Flask SqlAlchemy and connect to the database by sqlite

1. **Step:** Connect to the site's information documantation by API(Rescountries, weather) and create the database connection.



2. **Step2:** By "*route*" mapping of the URL to the Python function and by "*GET*, *POST*" methods workin with codes which are going by flask to the sql as a query of sql commands.





```
area=userl.area)

obsession.add(userl)
db.session.commit()

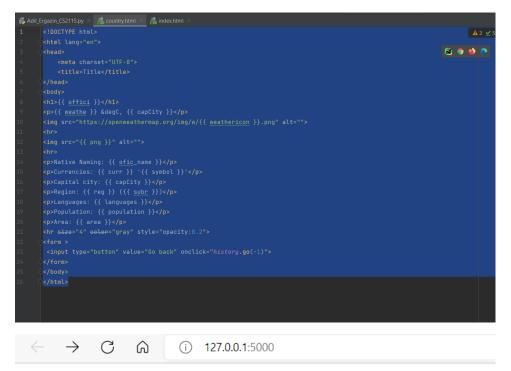
except KeyError:
return render_template('error.html')

return render_template('error.h
```

3. **Step3:** Getting information by result fucntion from "*route result*" and by "*index.html*" and "*country.html*" we can see our results joining to the host "*http://127.0.0.1:5000*" from site's documentation(Restcountries, weather). In order to get info fast we are using our database and it's(from API docs) automatically inserting and by data from database it will search faster.

```
### description of the control of th
```





### Hello user. Please enter your country:

kz	
Search	





### Republic of Kazakhstan

-0.93 °C, Nur-Sultan





Native Naming: Қазақстан Республикасы

Currencies: Kazakhstani tenge '₹'

Capital city: Nur-Sultan

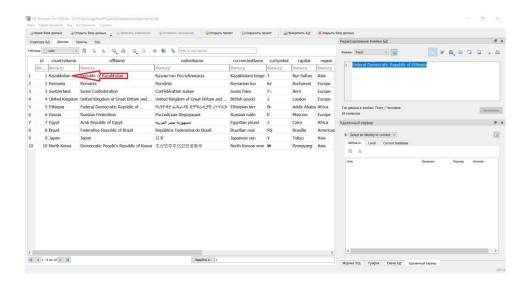
Region: Asia (Central Asia)

Languages: Kazakh, Russian

Population: 18754440

Area: 2724900.0

Go back





```
icon = dataw[*seather'][0]['icon']

if(any(*'[data[*name']]*common'])* in datas for datas in quer())):

return render_template('country.html'),

seathhrapiseather,
seathrapiseather,
seathhrapiseather,
seathhrapiseather,
seathhrapiseather,
seathhrapiseather,
seathhrapiseather,
seathhrapiseather,
se
```