In [ ]:
```
import numpy as np
from flask import flask,render_template,request
from tensorflow.keras.model import load_model
```

routing to the html page

In [ ]:
```
app = flask(_name_)
model = load_model('crude_oil.h5',)
@app.route('/')
def home() :
    return render_template("index.html")
@app.route('/about')
def home1() :
    return render_template("index.html")
@app.route('/predict')
def home2() :
    return render_template("web.html")
```

n_steps=10

In [ ]:
```
@app.route('/login',methods = ['post'])
def login():
    x_input=str(request.form['year'])
    x_input=x_input.spilt(',')
    print(x_input)
    for i in range(0, len(x_input)):
        x_input[i] = float(x_input[i])
    print(x_input)
    x_input=np.array(x_input).reshape(1,-1)
    temp_input=list(x_input)
    temp_input=temp_input[0].tolist()
    1st_output=[]
    n_steps=10
    i=0
```

In [ ]:
```
while(i<1):
    if(len(temp_input)>10):
        x_input=np.array(temp_input[1:])
        print("{} day input {}".format(i,x_input))
        x-input=x_input.reshape(1,-1)
        x_input=x_input.reshape((1,n_steps,1))
        yhat = model.predict(x_input,verbose=0)
        print("{} day output {}".format(i,yhat))
        temp_input.extend(yhat[0].tolist())
        temp_input=temp_input[1:]
        1st_output.extend(yhat.tolist())
        i=i+1
```

In [ ]:
```
else:
    x_input = x_input.reshape((1,n_steps,1))
    yhat = model.predict(x_input,verbose=0)
    print(yhat[0])
    temp_input.extend(yhat[0].tolist())
    print(len(temp_input))
    1st_output.extend(yhat.tolist())
    i=i+1
print(1st_output)
return render_template("web.html",showcase = 'the next day predicted value is:'+str(1st_output))
if_name_=='_main_':
    app.run(debug = true,port=5000)
```

In [ ]:
```
```