**Flask Based Web Application:**

The process of mapping the URL to the function is called as the routing.

from flask import Flask

#app variable setting this to instance of flask class. \_\_name\_\_ is the special module in python that will just the name of the module.

#\_\_name\_\_ is basically calling the main function

# we ahve instantiated flask application in this app variable.

app = Flask(\_\_name\_\_)

# Routes are decorators. It will handle all the complicated stuff in the backened and allows us to parse function and return

#the value in the form of the function that will be shown in the website for this specific route.

# '/' is the root page of our website we can thisnk as of the home page and we are simply returning the text for this route.

@app.route('/')

def hello():

    return 'Hello, World!'

To run the flask application first we have to set an environment variable to file:

1. set Flask\_App=flask\_blog.py
2. flask run

Address of local address and port number:

<http://127.0.0.1:5000/>

for mac it is execute.

If we donot want to set the environment variable then we can use something like this:

if \_\_name\_\_=="\_\_main\_\_":

    app.run(debug=True)

To add multiple routes we just need to add another route

@app.route('/about')

def about():

    return '<h1>About Page </h1>'

db.create\_all()

>>> from flask\_blog import User, Post

>>> user\_1= User(username='Akshay', email='ak@demo.com', password='password')

>>> db.session.add(user\_1)

>>> user\_2= User(username='ridhi', email='ridhi@demo.com', password='password')

>>> db.session.commit()

>>> db.session.commit()

>>> User.query.all()

[User (Akshay, ak@demo.com, default.jpg)]

>>> db.session.add(user\_2)

>>> User.query.all()

[User (Akshay, ak@demo.com, default.jpg), User (ridhi, ridhi@demo.com, default.jpg)]

>>> User.query.first()

User (Akshay, ak@demo.com, default.jpg)

>>> User.query.filter\_by(username='Akshay').all()

[User (Akshay, ak@demo.com, default.jpg)]

>>>user=User.query.get(2) (To get the particular value with user\_id)

>>> for post in user.posts:

... print(post.title)

...

Blog 1

Blog 2

>>> post

Post Blog 2, 2020-07-19 12:55:19.159925

>>> post.user\_id

2

>>> post.author

User (ridhi, ridhi@demo.com, default.jpg)

>>> db.drop\_all()

>>> db.create\_all()

>>> db.query.all()

After adding the session we have to commit those changes as well to the database.

if form.email.data=='admin@blog.com' and form.password.data=='password':

            flash('You have been logged in','success')

            return redirect (url\_for('home'))

        else: