# Importing Flask

from flask import Flask

# Most used import functions

These are some of the most used import functions

from flask import Flask, render\_template, redirect, url\_for, request

# Boilerplate

This is the basic template or barebone structure of Flask.

from flask import Flask app = Flask( name )

@app.route("/")

def hello\_world():

return "<p>Hello, World!</p>" app.run()

# route(endpoint)

This is to make different endpoints in our flask app.

@app.route("/")

# Route method

Allowing get and post requests on an endpoint.

methods = ['GET', 'POST']

# Re-run while coding

This is used to automatically rerun the program when the file is saved.

app.run(debug=True)

# Change host

This is used to change the host.

app.run(host='0.0.0.0')

# Change port

This is used to change the port.

app.run(port=80)

# SQLAlchemy

from flask\_sqlalchemy import SQLAlchemy

# Database URI

This is the database's address.

app.config['SQLALCHEMY\_DATABASE\_URI'] = 'mysql://username:password@localhost or

app.config['SQLALCHEMY\_DATABASE\_URI'] = 'sqlite:///test.db'

# Initialization

This is used to initialize SQLAlchemy.

db = SQLAlchemy(app)

# Creating Model

Class to get data from database and to send data to the database.

class TableName(db.Model):

column\_1 = db.Column(db.Integer, primary\_key=True)

column\_2 = db.Column(db.String(80), nullable=False) column\_3 = db.Column(db.String(12), nullable=False)

# Get all data(.all())

This is used to get all the data from the database.

data = ClassName.query.filter\_by().all()

# Filtered data(.first())

This is used to get the first dataset from the list returned by the filter\_by function. You can get targetted data by this.

data = ClassName.query.filter\_by().first()

# Send/add data to database

This is used to send/add data to the database.

data\_to\_send = ClassName(column\_1=dataset1, column\_2=dataset2, column\_3=data db.session.add(data\_to\_send)

db.session.commit()

# Delete data from the database

This is used to delete data from the database.

data\_to\_send = ClassName(column\_1=dataset1, column\_2=dataset2, column\_3=data db.session.delete(data\_to\_send)

db.session.commit()

# Request method

This is used to know what request is made(get/post).

request.method

# Render Template

This is used to pass whole html file directly.

render\_template("file.html")

# FSADeprecationWarning

app.config['SQLALCHEMY\_TRACK\_MODIFICATIONS'] = True|False

# Creating Database file

This is used to create a database file

from yourapplicationname import db db.create\_all()

exit()

# Method to return database items

This is used to return database items.

def repr (self) -> str:

return f"{self.item}"

# Printing returned content from the method

This is used to print returned database items.

data = ClassNameWithMethod.query.all() print(data)

# Flask Documentation

https://flask.palletsprojects.com/en/latest/

# Flask SQLAlchemy Documentation

https://flask-sqlalchemy.palletsprojects.com/en/2.x/