

Login





# Flask Cheatsheet Importing Flask

```
from flask import Flask
```

### Most used import functions

These are some of the most used import functions by flask developers

```
from flask import Flask, render_template, redirect, url_for, request
```

### **Boilerplate code**

This is the basic template or barebone structure of a Flask app

```
from flask import Flask

app = Flask(__name__)

@app.route("/")
def hello_world():
    return "Hello, World!"

app.run()
```

## Creating a route

This is to make different endpoints in our flask app.

```
@app.route("/")
```

### Setting Allowed methods

Used to specify which methods are allowed for a request. 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)
```

### Importing SQLAlchemy

```
from flask_sqlalchemy import SQLAlchemy
```

#### Database URI

This is the database's address.

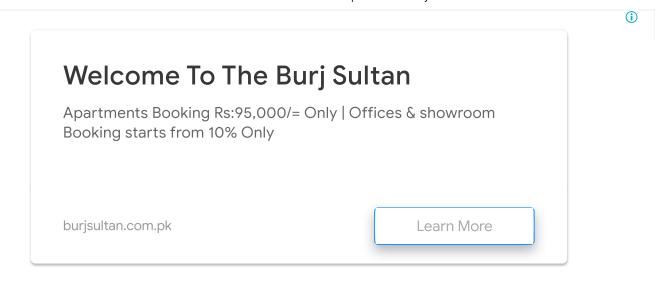
```
app.config['SQLALCHEMY_DATABASE_URI'] = 'mysql://username:password@localhost/

or
app.config['SQLALCHEMY_DATABASE_URI'] = 'sqlite:///test.db'
```

#### **Initialization**

This is used to initialize SQLAlchemy.

```
db = SQLAlchemy(app)
```



# Creating a Model

Class used to get data from the 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() method

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

```
data = ClassName.query.filter by().all()
```

#### Filtered data - first() method

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=datas
db.session.add(data_to_send)
```

db.session.commit()

# Velete data mom the database

This is used to delete data from the database.

```
data_to_send = ClassName(column_1=dataset1, column_2=dataset2, column_3=datas
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 and render an html file directly.

```
render_template("file.html")
```

#### Solving FSADeprecationWarning

SQLALCHEMY\_TRACK\_MODIFICATIONS allows you to disable the modification tracking system using this line:

```
app.config['SQLALCHEMY_TRACK_MODIFICATIONS'] = False
```

#### **Creating Database files**

This is used to create database files

```
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

Visit the Flask documentation here

#### Flask SQLAlchemy Documentation

Visit the Flask SQLAlchemy documentation here

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#### ishantgarg.2020\_gm 2022-12-17

Hi.. In your YT video of flask you used heroku for deployment flask app. But there free version is no more. Can you make another one video regarding deployment of flask app free. Thanks

**REPLY** 



#### forvideoderapp\_gm 2022-12-16

nice

**REPLY** 



#### anuragintensenagar1999 2022-07-19

thanks bhai

**REPLY** 



#### alihaider00760 2022-07-15

The SuperMan of Programming. Harry bhia Zindaaaabaaaad

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#### vt7588976\_gm 2022-07-11

This is very helpful for us. Thank you Harry Bhai.

**REPLY** 

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