Steps to create flask environment:

1. Create a folder on desktop and write Flask
2. Create a flask based environment for functionality
3. Install python lastest version from internet python site
4. After installing python on computer
5. Write on terminal -🡪py -3 -m venv venv .
6. This create virtual environment under flask.
7. After this activate virtual environment🡪venv\Scripts\activate.ps1
8. After this it shows venv in suffixthen create 🡪./pip install flask\
9. After this to write your first program go to vs coe side bar and on clicking venv create new file called app.py
10. After this 🡪c:/Users/user/Desktop/flask/venv/Scripts/Activate.ps1
11. c:/Users/user/Desktop/flask/venv/Scripts/python.exe c:/Users/user/Desktop/flask/venv/app21.py
12. 🡪c:/Users/user/Desktop/flask/venv/app21.py for running file.
13. Under app.py you write->From flask import Flask
14. ->app.Flask=(\_\_main\_\_)
15. ->@app.route(“/”):
16. ->def index():
17. return(“hello”)
18. ->@app.route(“/register”):
19. ->def register():
20. return(“ register”)
21. ->if \_\_name\_\_=”\_\_main\_\_”:
22. app.run(debug = True)
23. To create Database :
24. from flask\_sqlalchemy import SQLAlchemy
25. app=Flask(\_\_name\_\_)
26. app.config['SQLALCHEMY\_DATABASE\_URI'] = 'sqlite:///my.db'
27. db = SQLAlchemy(app)
28. class User(db.Model):
29. id = db.Column(db.Integer, primary\_key=True)
30. fname = db.Column(db.String(80), nullable=False)
31. lname = db.Column(db.String(120), nullable=False)
32. password = db.Column(db.String(120), nullable=False)
33. email = db.Column(db.String(120), nullable=False)
34. username = db.Column(db.String(120), nullable=False)
35. def \_\_repr\_\_(self):
36. return '<User %r>' % self.username

1. On first step terminal write:
2. pip install flask-sqlalchemy
3. After this write from 23 line in app21.py
4. 'sqlite:///my.db'🡪+/ will create for folder but for file only triple can be implemented
5. Now again in terminal write- python
6. Then->
7. from app21 import db
8. db.create\_all()
9. 🡪created mydb.db in left side
10. Then exit()
11. Now create Module:-
12. Of line 30 in app21.py
13. After this goto terminal and write:
14. from app21 import db
15. db.create\_all()
16. from app21 import User
17. user=User.query.all()
18. user
19. from app21 import db
20. user=User(username=’anurag4444’,fname=’Anurag’,lname=’Kumar’,email=’ak44@gmail.com,password=’anrag123’)
21. db.session.add(user)
22. db.session.commit()
23. data = User.query.all()
24. data
25. [user=’sachin shar ma’]
26. data[0]-1
27. data[0].username/.email
28. FOR LOGIN- pip install flash
29. @app.route("/login",methods=['GET','POST'])
30. def login():
31. if request.method=='POST':
32. username = request.form.get('username')
33. password=request.form.get('password')
34. user=User.query.filter\_by(username=username).first()
35. if user and password==user.password:
36. login\_user(user)
37. return redirect('/')
38. else:
39. flash('Invalid Credential','warning')
40. return redirect('/login')
41. return render\_template("login.html")

login class

@login\_manager.user\_loader

def load\_user(user\_id):

    return User.query.get(int(user\_id))

imports:-

from flask\_login.utils import login\_user

from flask\_login import LoginManager,login\_user,UserMixin