CREATE:

```
from flask import Flask
import mysql.connector

app=Flask(__name__)

host1='localhost'
user1='root'
password1=''
dbname='n44'

def cconnection():

connect1=mysql.connector.connect(host=host1,user=user1,password=password1,databa
se=dbname)
    return connect1

def createtable():
    connection=cconnection()
    cursor=connection.cursor()
    cursor.execute('''CREATE TABLE IF NOT EXISTS users(id INT AUTO_INCREMENT
PRIMARY KEY,name VARCHAR(30),email VARCHAR(30))''')
    connection.commit()
    cursor.close()
    connection.close()

@app.route('/')
def index():
    createtable()
    return 'created'

if __name__=='__main__':
    app.run(debug=True)
```

INSERT:

HTML:

```
<html>
    <body>
        <form action='/adduser' method='post'>
            <label for="name">name:</label>
            <input type="text" name="name">
            <label for="email">email:</label>
            <input type="text" name="email">
            <input type="submit" >
        </form>
    </body>
</html>
```

APP.PY:

```
from flask import Flask,request,render_template
import mysql.connector

app=Flask(__name__)

host1='localhost'
user1='root'
pass1=''
dbname='n44'

def createconnection():
```

```
connection=mysql.connector.connect(host=host1,user=user1,password=pass1,database
=dbname)
    return connection

@app.route('/adduser',methods=['POST'])
def adduser():
    name=request.form.get("name")
    email=request.form.get("email")
    if not name or not email:
        return f"email and name are required",404
    connection=createconnection()
    cursor=connection.cursor()

    try:
        cursor.execute("INSERT INTO USERS (name,email) VALUES (%s,%s)",
(name,email))
        connection.commit()
        return f"name '{name}' added"
    except mysql.connector.Error as err:
        return f"Error: '{err}'"
    finally:
        cursor.close()
        connection.close()

@app.route('/')
def index():
    return render_template("index.html")

if __name__=='__main__':
    app.run(debug=True)
-------------------------------------------------------------------------------
-------
SELECT:
-------
HTML:
-----
<html>
    <body>
        <table border=1>
            <tr>
                <th>id</th><th>name</th><th>email</th>
            </tr>
            {%for user in users%}
            <tr>
                <td>{{ user[0] }}</td>
                <td>{{ user[1] }}</td>
                <td>{{ user[2] }}</td>
            </tr>
            {%endfor%}
        </table>
    </body>
</html>
APP.PY:
-------
from flask import Flask,render_template,request
import mysql.connector

app=Flask(__name__)

host1='localhost'
user1='root'
pass1=''
dbname='n44'
```

```
def createconnection():

connection1=mysql.connector.connect(host=host1,user=user1,password=pass1,databas
e=dbname)
    return connection1

@app.route('/')
def showusers():
    Connection=createconnection()
    cursor=Connection.cursor()
    cursor.execute("SELECT id,name,email FROM users")
    users=cursor.fetchall()
    cursor.close()
    Connection.close()
    return render_template("users.html",users=users)

if __name__=='__main__':
    app.run(debug=True)
--------------------------------------------------------------------------------
-------
UPDATE:
-------
HTML:
-----
<html>
<body>
    <form action='/update' method='post'>
        <label for='id'>id:</label>
        <input type='text' name="id">
        <label for='name'>name:</label>
        <input type='text' name="name">
        <label for='email1'>email:</label>
        <input type='text' name="email1">
        <input type="submit">
    </form>
</body>
</html>
APP.PY:
-------
from flask import Flask,render_template,request
import mysql.connector

app=Flask(__name__)

host1='localhost'
user1='root'
pass1=''
dbname='n44'
def createconnection():

connection=mysql.connector.connect(host=host1,user=user1,password=pass1,database
=dbname)
    return connection

@app.route('/update',methods=['GET','POST'])
def update():
    if request.method=='POST':
        id=request.form.get("id")
        name=request.form.get("name")
        email1=request.form.get("email1")
        conn=createconnection()
        cursor=conn.cursor()
        try:
```

```
            cursor.execute("UPDATE users SET name=%s ,email=%s WHERE id=%s",
(name,email1,id))
            conn.commit()
            return f"updated succeussfully"
        except mysql.connector.Error as err:
            return f"{err}"
        finally:
            cursor.close()
            conn.close()

@app.route('/')
def index():
    return render_template("update.html")
if __name__=='__main__':
    app.run(debug=True)
--------------------------------------------------------------------------------
-------
DELETE:
-------
HTML:
----
<html>
    <body>
        <form action='/delete' method='post'>
            <label for="id">id:</label>
            <input type="text" name="id">
            <input type="submit" >
        </form>
    </body>
</html>
APP.PY:
-------
from flask import Flask,request,render_template
import mysql.connector

app=Flask(__name__)

host1='localhost'
user1='root'
pwd=''
dbname='n44'

def createconnection():

connnection=mysql.connector.connect(host=host1,user=user1,password=pwd,database=
dbname)
    return connnection

@app.route('/delete',methods=['GET','POST'])
def delete():
    if request.method=='POST':
        id=request.form.get("id")
    conn=createconnection()
    cursor=conn.cursor()
    try:
        cursor.execute("DELETE FROM users WHERE id=%s",(id,))
        conn.commit()
        return f"deleted"
    except mysql.connector.Error as err:
        return f"{err}"
    finally:
        cursor.close()
        conn.close()
```

```
@app.route('/')
def index():
    return render_template("delete.html")

if __name__=='__main__':
    app.run(debug=True)
```