

Spyder

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C:\Users\mshome\spyder-py3

C:\Users\mshome\spyder-py3\app.py

```
1 # -*- coding: utf-8 -*-
2 """
3 Spyder Editor
4
5 This is a temporary script file.
6 """
7
8
9
10 from flask import Flask, render_template, request, redirect, session
11 from flask_mysql import MySQL
12 import MySQLdb.cursor
13 import re
14
15
16 app = Flask(__name__)
17
18
19 app.secret_key = 'a'
20
21 app.config['MYSQL_HOST'] = 'remotemysql.com'
22 app.config['MYSQL_USER'] = '020xDUP8it'
23 app.config['MYSQL_PASSWORD'] = 'r8X904GzMe'
24 app.config['MYSQL_DB'] = '020xDUP8it'
25
26 mysql = MySQL(app)
27
28
29 #HOME --PAGE
30 @app.route("/home")
31 def home():
32     return render_template("homepage.html")
33
34 @app.route("/")
35 def add():
36     return render_template("home.html")
```

Usage

Here you can get help of any object by pressing Ctrl+H in front of it, either on the Editor or the Console.

File "c:\users\mshome\spyder-py3\app.py", line 10, in <module>

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

ModuleNotFoundError: No module named 'flask'

Spyder: 5.4.0 Internal (Python 3.8.10) Completions: Internal LSP: Python Line 9, Col 1 UTF-8 CRLF RW Mem 81%

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C:\Users\mshome\spyder-py3\app.py

app.py

```
38
39
40 #SIGN--UP--OR--REGISTER
41
42
43 @app.route("/signup")
44 def signup():
45     return render_template("signup.html")
46
47
48
49 @app.route('/register', methods=['GET', 'POST'])
50 def register():
51     msg = ''
52     if request.method == 'POST':
53         username = request.form['username']
54         email = request.form['email']
55         password = request.form['password']
56
57
58         cursor = mysql.connection.cursor()
59         cursor.execute('SELECT * FROM register WHERE username = %s', (username, ))
60         account = cursor.fetchone()
61         print(account)
62         if account:
63             msg = 'Account already exists !'
64         elif not re.match(r'[^@]+\@[^@]+\.[^@]+', email):
65             msg = 'Invalid email address !'
66         elif not re.match(r'[A-Za-z0-9]+', username):
67             msg = 'name must contain only characters and numbers !'
68         else:
69             cursor.execute('INSERT INTO register VALUES (NULL, %s, %s, %s)', (username, email, password))
70             mysql.connection.commit()
71             msg = 'You have successfully registered !'
72         return render_template("signup.html", msg = msg)
73
```

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Help Variable Explorer Plots Files

kernel\ipy\compat.py", line 356, in compat_exec
exec(code, globals, locals)

File "c:\users\mshome\spyder-py3\app.py", line 10, in <module>
from flask import
Flask, render_template,
request, redirect,
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ModuleNotFoundError: No module named 'flask'

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Spyder: 5.4.0 Internal (Python 3.8.10) Completions: Internal LSP: Python Line 9, Col 1 UTF-8 CRLF RW Mem 82%

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C:\Users\mshome\spyder-py3\app.py

```
78
79 @app.route("/signin")
80 def signin():
81     return render_template("Login.html")
82
83 @app.route('/login', methods = ['GET', 'POST'])
84 def login():
85     global userid
86     msg = ''
87
88
89     if request.method == 'POST' :
90         username = request.form['username']
91         password = request.form['password']
92         cursor = mysql.connection.cursor()
93         cursor.execute('SELECT * FROM register WHERE username = %s AND password = %s', (username, password),)
94         account = cursor.fetchone()
95         print (account)
96
97         if account:
98             session['loggedin'] = True
99             session['id'] = account[0]
100             userid= account[0]
101             session['username'] = account[1]
102             return redirect('/home')
103         else:
104             msg = 'Incorrect username / password !'
105     return render_template('Login.html', msg = msg)
106
107
108
109
110
111
112
113
```

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Help Variable Explorer Plots Files

kernel32.py\compat.py", line 356, in compat.exec exec(code, globals, locals)

File "c:\users\mshome\spyder-py3\app.py", line 10, in <module> from flask import Flask, render_template, request, redirect, session

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app.py

```
116 #ADDING---DATA
117
118
119 @app.route("/add")
120 def adding():
121     return render_template('add.html')
122
123
124 @app.route('/addexpense', methods=['GET', 'POST'])
125 def addexpense():
126
127     date = request.form['date']
128     expensename = request.form['expensename']
129     amount = request.form['amount']
130     paymode = request.form['paymode']
131     category = request.form['category']
132
133     cursor = mysql.connection.cursor()
134     cursor.execute('INSERT INTO expenses VALUES (NULL, %s, %s, %s, %s, %s, %s)', (session['id'], date, expensename, amount, paymode, category))
135     mysql.connection.commit()
136     print(date + " " + expensename + " " + amount + " " + paymode + " " + category)
137
138     return redirect("/display")
139
140
141
142 #DISPLAY---graph
143
144 @app.route("/display")
145 def display():
146     print(session["username"], session['id'])
147
148     cursor = mysql.connection.cursor()
149     cursor.execute('SELECT * FROM expenses WHERE userid = %s AND date ORDER BY `expenses`.`date` DESC', (str(session['id'])))
150     expense = cursor.fetchall()
```

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```
156
157
158 #delete---the--data
159
160 @app.route('/delete/<string:id>', methods = ['POST', 'GET' ])
161 def delete(id):
162     cursor = mysql.connection.cursor()
163     cursor.execute('DELETE FROM expenses WHERE id = {}'.format(id))
164     mysql.connection.commit()
165     print('deleted successfully')
166     return redirect("/display")
167
168
169 #UPDATE---DATA
170
171 @app.route('/edit/<id>', methods = ['POST', 'GET' ])
172 def edit(id):
173     cursor = mysql.connection.cursor()
174     cursor.execute('SELECT * FROM expenses WHERE id = %s', (id,))
175     row = cursor.fetchall()
176
177     print(row[0])
178     return render_template('edit.html', expenses = row[0])
179
180
181
182
183 @app.route('/update/<id>', methods = ['POST'])
184 def update(id):
185     if request.method == 'POST' :
186
187         date = request.form['date']
188         expensename = request.form['expensename']
189         amount = request.form['amount']
190         paymode = request.form['paymode']
```

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app.py

```
204
205
206
207 #limit
208 @app.route("/limit")
209 def limit():
210     return redirect('/limitn')
211
212 @app.route("/limitnum", methods = ['POST'])
213 def limitnum():
214     if request.method == "POST":
215         number= request.form['number']
216         cursor = mysql.connection.cursor()
217         cursor.execute('INSERT INTO Limits VALUES (NULL, %s, %s)',(session['id'], number))
218         mysql.connection.commit()
219         return redirect('/limitn')
220
221
222 @app.route("/limitn")
223 def limitn():
224     cursor = mysql.connection.cursor()
225     cursor.execute('SELECT Limitss FROM `Limits` ORDER BY `Limits`.`id` DESC LIMIT 1')
226     x= cursor.fetchone()
227     s = x[0]
228
229     return render_template("Limit.html", y= s)
230
231 #REPORT
232
233 @app.route("/today")
234 def today():
235     cursor = mysql.connection.cursor()
236     cursor.execute('SELECT TIME(date) , amount FROM expenses WHERE userid = %s AND DATE(date) = DATE(NOW())',(str(session['id'])))
237     texpanse = cursor.fetchall()
238
```

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kernel32\py\compat.py", line 356, in compat_exec exec(code, globals, locals)

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```
255     total += x[4]
256     if x[6] == "food":
257         t_food += x[4]
258
259     elif x[6] == "entertainment":
260         t_entertainment += x[4]
261
262     elif x[6] == "business":
263         t_business += x[4]
264     elif x[6] == "rent":
265         t_rent += x[4]
266
267     elif x[6] == "EMI":
268         t_EMI += x[4]
269
270     elif x[6] == "other":
271         t_other += x[4]
272
273     print(total)
274
275     print(t_food)
276     print(t_entertainment)
277     print(t_business)
278     print(t_rent)
279     print(t_EMI)
280     print(t_other)
281
282
283
284     return render_template("today.html", texpanse = texpanse, expense = expense, total = total ,
285                           t_food = t_food, t_entertainment = t_entertainment,
286                           t_business = t_business, t_rent = t_rent,
287                           t_EMI = t_EMI, t_other = t_other )
288
289
```

app.py

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File "c:\users\mshome\spyder-py3\app.py", line 10, in <module>

```
from flask import
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C:\Users\mshome\spyder-py3\app.py

```
327 t_other += x[4]
328
329 print(total)
330
331 print(t_food)
332 print(t_entertainment)
333 print(t_business)
334 print(t_rent)
335 print(t_EMI)
336 print(t_other)
337
338
339
340 return render_template("today.html", texpanse = texpanse, expense = expense, total = total ,
341                        t_food = t_food, t_entertainment = t_entertainment,
342                        t_business = t_business, t_rent = t_rent,
343                        t_EMI = t_EMI, t_other = t_other )
344
345 @app.route("/year")
346 def year():
347     cursor = mysql.connection.cursor()
348     cursor.execute('SELECT MONTH(date), SUM(amount) FROM expenses WHERE userID= %s AND YEAR(DATE(date))= YEAR(now()) GROUP BY MONTH(date) ORDER BY'
349     texpanse = cursor.fetchall()
350     print(texpanse)
351
352     cursor = mysql.connection.cursor()
353     cursor.execute('SELECT * FROM expenses WHERE userID = %s AND YEAR(DATE(date))= YEAR(now()) AND date ORDER BY `expenses`.`date` DESC',(str(se
354     expense = cursor.fetchall()
355
356     total=0
357     t_food=0
358     t_entertainment=0
359     t_business=0
360     t_rent=0
361     t_EMI=0
```

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app.py

```
390
391     elif x[6] == "other":
392         t_other += x[4]
393
394     print(total)
395
396     print(t_food)
397     print(t_entertainment)
398     print(t_business)
399     print(t_rent)
400     print(t_EMI)
401     print(t_other)
402
403     return render_template("today.html", texpanse = texpanse, expense = expense, total = total ,
404                             t_food = t_food, t_entertainment = t_entertainment,
405                             t_business = t_business, t_rent = t_rent,
406                             t_EMI = t_EMI, t_other = t_other )
407
408 #log-out
409
410 @app.route('/logout')
411
412 def logout():
413     session.pop('loggedin', None)
414     session.pop('id', None)
415     session.pop('username', None)
416     return render_template("home.html")
417
418 if __name__ == "__main__":
419     app.run(debug=True)
```

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