

Store this code in 'app.py' file

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

```
from flask_mysqlldb import MySQL
```

```
import MySQLdb.cursors
```

```
import re
```

```
app = Flask(__name__)
```

```
app.secret_key = 'your secret key'
```

```
app.config['MYSQL_HOST'] = 'localhost'
```

```
app.config['MYSQL_USER'] = 'root'
```

```
app.config['MYSQL_PASSWORD'] = 'your password'
```

```
app.config['MYSQL_DB'] = 'geeklogin'
```

```
mysql = MySQL(app)
```

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

```
@app.route('/login', methods=['GET', 'POST'])
```

```
def login():
```

```

msg = "

if request.method == 'POST' and 'username' in request.form and 'password'
in request.form:

    username = request.form['username']

    password = request.form['password']

    cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)

    cursor.execute('SELECT * FROM accounts WHERE username = % s
AND password = % s', (username, password, ))

    account = cursor.fetchone()

    if account:

        session['loggedin'] = True

        session['id'] = account['id']

        session['username'] = account['username']

        msg = 'Logged in successfully !'

        return render_template('index.html', msg = msg)

    else:

        msg = 'Incorrect username / password !'

    return render_template('login.html', msg = msg)

@app.route('/logout')

def logout():

    session.pop('loggedin', None)

    session.pop('id', None)

```

```
session.pop('username', None)
```

```
return redirect(url_for('login'))
```

```
@app.route('/register', methods=['GET', 'POST'])
```

```
def register():
```

```
    msg = "
```

```
        if request.method == 'POST' and 'username' in request.form and 'password'
in request.form and 'email' in request.form :
```

```
            username = request.form['username']
```

```
            password = request.form['password']
```

```
            email = request.form['email']
```

```
            cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)
```

```
            cursor.execute('SELECT * FROM accounts WHERE username = %
s', (username, ))
```

```
            account = cursor.fetchone()
```

```
            if account:
```

```
                msg = 'Account already exists !'
```

```
            elif not re.match(r'^@]+@^[^@]+\.[^@]+', email):
```

```
                msg = 'Invalid email address !'
```

```
            elif not re.match(r'[A-Za-z0-9]+', username):
```

```
                msg = 'Username must contain only characters and numbers !'
```

```
            elif not username or not password or not email:
```

```
                msg = 'Please fill out the form !'
```

```
    else:

        cursor.execute('INSERT INTO accounts VALUES (NULL, %
s, % s, % s)', (username, password, email, ))

        mysql.connection.commit()

        msg = 'You have successfully registered !'

    elif request.method == 'POST':

        msg = 'Please fill out the form !'

    return render_template('register.html', msg = msg)
```