{\rtf1\ansi\ansicpg1252\deff0\nouicompat\deflang1033{\fonttbl{\f0\fnil\fcharset0 Calibri;}}

{\\*\generator Riched20 10.0.22621}\viewkind4\uc1

\pard\sa200\sl276\slmult1\f0\fs22\lang9 # Store this code in 'app.py' file\par

\par

from flask import Flask, render\_template, request, redirect, url\_for, session\par

from flask\_mysqldb import MySQL\par

import MySQLdb.cursors\par

import re\par

\par

\par

app = Flask(\_\_name\_\_)\par

\par

\par

app.secret\_key = 'your secret key'\par

\par

app.config['MYSQL\_HOST'] = 'localhost'\par

app.config['MYSQL\_USER'] = 'root'\par

app.config['MYSQL\_PASSWORD'] = 'your password'\par

app.config['MYSQL\_DB'] = 'geeklogin'\par

\par

mysql = MySQL(app)\par

\par

@app.route('/')\par

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

def login():\par

\tab msg = ''\par

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

\tab\tab username = request.form['username']\par

\tab\tab password = request.form['password']\par

\tab\tab cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)\par

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

\tab\tab account = cursor.fetchone()\par

\tab\tab if account:\par

\tab\tab\tab session['loggedin'] = True\par

\tab\tab\tab session['id'] = account['id']\par

\tab\tab\tab session['username'] = account['username']\par

\tab\tab\tab msg = 'Logged in successfully !'\par

\tab\tab\tab return render\_template('index.html', msg = msg)\par

\tab\tab else:\par

\tab\tab\tab msg = 'Incorrect username / password !'\par

\tab return render\_template('login.html', msg = msg)\par

\par

@app.route('/logout')\par

def logout():\par

\tab session.pop('loggedin', None)\par

\tab session.pop('id', None)\par

\tab session.pop('username', None)\par

\tab return redirect(url\_for('login'))\par

\par

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

def register():\par

\tab msg = ''\par

\tab if request.method == 'POST' and 'username' in request.form and 'password' in request.form and 'email' in request.form :\par

\tab\tab username = request.form['username']\par

\tab\tab password = request.form['password']\par

\tab\tab email = request.form['email']\par

\tab\tab cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)\par

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

\tab\tab account = cursor.fetchone()\par

\tab\tab if account:\par

\tab\tab\tab msg = 'Account already exists !'\par

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

\tab\tab\tab msg = 'Invalid email address !'\par

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

\tab\tab\tab msg = 'Username must contain only characters and numbers !'\par

\tab\tab elif not username or not password or not email:\par

\tab\tab\tab msg = 'Please fill out the form !'\par

\tab\tab else:\par

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

\tab\tab\tab mysql.connection.commit()\par

\tab\tab\tab msg = 'You have successfully registered !'\par

\tab elif request.method == 'POST':\par

\tab\tab msg = 'Please fill out the form !'\par

\tab return render\_template('register.html', msg = msg)\par

}