```
app.py:
from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import json
import requests
app = Flask(__name___, template_folder='template')
9822b9fb237b.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32731;SECURITY
=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=cts72740;PWD=dORKSzIzhw
xBmMvg",",")
@app.route('/registration')
def home():
  return render_template('register.html')
@app.route('/register',methods=['POST'])
def register():
  x = [x \text{ for } x \text{ in request.form.values}()]
  print(x)
  name=x[0]
  email=x[1]
  phone=x[2]
  city=x[3]
  infect=x[4]
  blood=x[5]
  password=x[6]
  sql = "SELECT * FROM plasmadonor WHERE email =?"
  stmt = ibm_db.prepare(conn, sql)
```

ibm\_db.bind\_param(stmt,1,email)

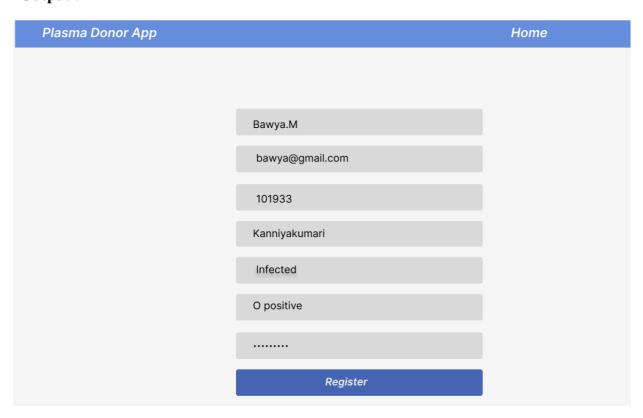
ibm\_db.execute(stmt)

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account = ibm_db.fetch_assoc(stmt)
  print(account)
  if account:
    return render_template('register.html', pred="You are already a member, please login
using your details")
 else:
    insert_sql = "INSERT INTO plasmadonor VALUES (?, ?, ?, ?, ?, ?)"
    prep_stmt = ibm_db.prepare(conn, insert_sql)
    ibm_db.bind_param(prep_stmt, 1, name)
    ibm_db.bind_param(prep_stmt, 2, email)
    ibm_db.bind_param(prep_stmt, 3, phone)
    ibm_db.bind_param(prep_stmt, 4, city) ibm_db.bind_param(prep_stmt, 5, infect)
    ibm_db.bind_param(prep_stmt, 6, blood)
    ibm_db.bind_param(prep_stmt, 7, password)
    ibm_db.execute(prep_stmt)
    return render_template('register.html', pred="Registration Successful, please login using
your details")
@app.route('/')
@app.route('/login')
def login():
  return render_template('login.html')
@app.route('/loginpage',methods=['POST'])
def loginpage():
  user = request.form['user']
  passw = request.form['passw']
  sql = "SELECT * FROM plasmadonor WHERE email =? AND password=?"
  stmt = ibm_db.prepare(conn, sql)
```

```
ibm_db.bind_param(stmt,1,user)
  ibm_db.bind_param(stmt,2,passw)
  ibm_db.execute(stmt)
  account = ibm_db.fetch_assoc(stmt)
  print (account)
  print(user,passw)
  if account: return redirect(url_for('stats'))
  else:
    return render_template('login.html', pred="Login unsuccessful. Incorrect username /
password!")
@app.route('/stats')
def stats():
  "sql = "SELECT blood FROM user group by blood"
  stmt = ibm_db.prepare(conn, sql)
  ibm_db.execute(stmt)
  count = ibm_db.fetch_assoc(stmt)
  print(count)"
  return render_template('stats.html',b=5,b1=2,b2=3,b3=4,b4=2,b5=1,b6=2,b7=1,b8=1)
@app.route('/requester')
def requester():
  return render_template('request.html')
@app.route('/requested',methods=['POST'])
def requested():
  bloodgrp = request.form['bloodgrp']
  address = request.form['address']
  print(address)
```

```
sql = "SELECT * FROM plasmadonor WHERE blood=?"
  stmt = ibm_db.prepare(conn, sql)
  ibm_db.bind_param(stmt,1,bloodgrp)
  ibm_db.execute(stmt)
  data = ibm_db.fetch_assoc(stmt)
  msg = "Need Plasma of your blood group for: "+address
  while data != False:
    print ("The Phone is : ", data["PHONE"])
url="https://www.fast2sms.com/dev/bulk?authorization=xCXuwWTzyjOD2ARd1EngbH3a7t
KIq5PkIJ8YSf0Lh4FQZecs9iNI1dSvuqprxFwCKYJXA5amQkBE36Rl&sender_id=FSTSM
S&message="+msg+"&language=english&route=p&numbers="+str(data["PHONE"])
    result=requests.request("GET",url)
    print(result)
    data = ibm_db.fetch_assoc(stmt)
  return render_template('request.html', pred="Your request is sent to the concerned
people.")
if___name___== "_main_":
app.run(host='0.0.0.0', port=8080)
```

## **Output:**



Plasma Donor App		Home
	Enter your Name	
	Enter mailid	
	Enter 10digit mobile number	
	Enter your city name	
	Enter COVIDinfected status	
	Enter blood group	
	Enter password	
	Register	
	Registration Successful,Please login using your details	

						xport to CSV
NAME	EMAIL	PHONE	CITY	INFECT	BLOOD	PASSWORD
bawya	bawya@gmail.com	36475812357	kanniyakumari	infected	O positive	5123
shal	shal@gmail.com	1234567893	chennai	infected	B positive	8295