

Team ID:	PNT2022TMID21269
Project Name:	Plasma Donor Application

## 1. Create IBM DB2

The screenshot shows the IBM Cloud dashboard for the 'plasma-app' resource. The 'Manage' tab is selected, showing a 'Getting started' section with instructions on how to find credentials and a 'Need help?' section with a 'Support case' button. The 'Go to UI' button is also visible.

## 2. Connect with python

```

1 from flask import Flask, render_template, request, redirect, session, url_for
2 import ibm_db
3 import re
4
5 app = Flask(__name__)
6
7 hostname = 'b0a6b668-94fa-46ec-a1fc-1c999ed6b187.c3n41cmd0nqrk39u98g.databases.appdomain.cloud'
8 uid = 'wzj62416'
9 pwd = '9fcfvpu90w2qp001'
10 driver = "(IBM DB2 ODBC DRIVER)"
11 db_name = "Bludb"
12 port = '31249'
13 protocol = 'TCPIP'
14 cert = "certi.crt"
15
16 dsn = {}
17
18 "DATABASE={0};".format(db_name, hostname, port, uid, protocol, cert, pwd)
19 "HOSTNAME={1};".format(db_name, hostname, port, uid, protocol, cert, pwd)
20 "PORT={2};".format(db_name, hostname, port, uid, protocol, cert, pwd)
21 "UID={3};".format(db_name, hostname, port, uid, protocol, cert, pwd)
22 "SECURITY=SSL;".format(db_name, hostname, port, uid, protocol, cert, pwd)
23 "PROTOCOL={4};".format(db_name, hostname, port, uid, protocol, cert, pwd)
24 "PWD={5};".format(db_name, hostname, port, uid, protocol, cert, pwd)
25
26 connection = ibm_db.connect(dsn, "", "")
27 app.secret_key = "a"
28
29 @app.route("/")
30 def add():
31     return render_template("home.html")
32
33

```