

Team ID	PNT2022TMID00621
Project Name	Personal Expense Tracker Application

Create IBM DB2 and Connect with Python:

1) Create IBM DB2:

The screenshot shows the IBM Cloud console interface. At the top, there's a navigation bar with 'IBM Cloud', a search bar, and links for 'Catalog', 'Manage', and 'Abitha U's Account'. Below the navigation bar, the main content area displays 'Db2-2d' with a status of 'Active'. A left sidebar shows a 'Manage' menu with options like 'Getting started', 'Service credentials', and 'Connections'. The main content area has two columns: 'Getting started' and 'Need help?'. The 'Getting started' column contains instructions on finding credentials and links for 'Go to UI' and 'Getting started docs'. The 'Need help?' column contains a link to 'Support case'.

2) Connect with Python:

```

1  from flask import Flask, render_template, request, redirect, session, url_for
2  import ibm_db
3  import re
4  app=Flask(__name__)
5  hostname = '8e359033-a1c9-4643-82ef-8ac06f5107eb.bs2io90l08kqb1od8lcg.databases.appdomain.cloud:30120'
6  uid = 'kry63826'
7  pwd = 'EC7xZhS0DJuXiYc5'
8  driver = "{IBM DB2 ODBC DRIVER}"
9  db_name = 'Bludb'
10 port = '30120'
11 protocol = 'TCPIP'
12 cert = "C:/Users/Home/Desktop/Create flask project/certi.crt"
13 dsn = (
14     "DATABASE = {0};"
15     "HOSTNAME = {1};"
16     "PORT = {2};"
17     "UID = {3};"
18     "SECURITY = SSL;"
19     "PROTOCOL = {4};"
20     "PWD = {6};"
21 ).format(db_name, hostname, port, uid, protocol, cert, pwd)
22 connection = ibm_db.connect(dsn, "", "")
23 app.secret_key = 'a'

```