**STEPS TO CREATE IBM DB2 AND CONNECTION WITH PYTHON**

**TEAM ID:** PNT2022TMID22972

**Installing the package:**

!pip install ibm\_db==2.0.8a

!pip install flask-ngrok

!pip install flask-bootstrap

!pip install pyngrok==4.1.1

!ngrok authtoken '1tShcLWOqT6sVMKWl6qo37PDosF\_5kP7mo4kKjocvFq6k8fWp'

!pip install google-search-results

**Importing the pacakges:**

from flask import Flask,render\_template,jsonify,json,request

from flask\_ngrok import run\_with\_ngrok

from googlesearch import search

from serpapi import GoogleSearch

import ibm\_db

**Establishing a connection:**

conn = ibm\_db.connect("DATABASE=bludb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SECURITY=SSL;PROTOCOL=TCPIP;UID=tmq90769;PWD=Iff2xEpAjAPd0hD0",'','')

**Creating api to access db:**

query = "SELECT \* FROM users"

  stmt = ibm\_db.prepare(conn, query)

  ibm\_db.execute(stmt)

  dictionary = ibm\_db.fetch\_assoc(stmt)

  while dictionary!= False:

    name.append(dictionary['NAME'])

    skills.append(dictionary['SKILLS'])

    dictionary = ibm\_db.fetch\_assoc(stmt)

**Closing an connection:**

ibm\_db.close(conn)