

STEPS TO CREATE IBM DB2 AND CONNECTION WITH PYTHON

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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 '1tShcLW0qT6sVMKWl6qo37PDosF_5kP7mo4kKjocvFq6k8fWp'
!pip install google-search-results
```

Importing the packages:

```
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=31321;SECURITY=SSL;PROTOCOL=TCPIP;UID=grx93977;PWD=LF5oWQ2sZ1QrjIGg",'','')
```

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)
```