

IBM CLOUD CLI INSTALLATION

Team ID	PNT2022TMID27307
Project Name	Project – Personal Expense Tracker Application

The screenshot displays a Visual Studio Code editor interface. The Explorer sidebar on the left shows a project structure with files like `app.py`, `Dockerfile`, and various `templates` (e.g., `budget.html`, `dashboard.html`, `index.html`, `register.html`, `view.html`, `expense.html`). The main editor window shows the `app.py` file, which is a Flask application. It imports `Flask`, `render_template`, `request`, `session`, and `ibm_db`. The application is configured with a secret key and connects to an IBM Cloud database using the `ibm_db` driver. The database connection string is: `conn=ibm_db.connect('DATABASE=bludb ; HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.clogj3sd0tgu0lqde00.databases.appdomain.cloud; PORT=')`. The application has several routes: `/` (index), `/register` (POST and GET), and `/insert` (POST and GET). The `/insert` route handles user registration by checking for 'un' (username) and 'ps' (password) in the request form. If 'un' is missing, it renders the `register.html` template with a message 'USERNAME MISSING'. The terminal at the bottom shows the output of running the application, indicating it is running on `http://127.0.0.1:5000` and displaying several HTTP requests and responses.

```
1 from flask import Flask, render_template, request, session
2 import ibm_db
3
4 app=Flask(__name__)
5 app.secret_key='a'
6 conn=ibm_db.connect('DATABASE=bludb ; HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.clogj3sd0tgu0lqde00.databases.appdomain.cloud; PORT=')
7
8 @app.route("/")
9 def index():
10     return render_template("index.html")
11
12 @app.route("/register",methods=["POST","GET"])
13 def register():
14     return render_template("register.html")
15
16 @app.route("/insert",methods=["POST","GET"])
17 def insert():
18     if request.method=="POST":
19         un=request.form.get('un')
20         ps=request.form.get('ps')
21         mail=request.form.get('mail')
22         ph=request.form.get('ph')
23
24         if un=="":
25             return render_template("register.html",msg="USERNAME MISSING")
26         elif ps=="":
```

Use a production WSGI server instead.
* Debug mode: on
* Running on http://127.0.0.1:5000 (Press CTRL+C to quit)
* Restarting with stat
* Debugger is active!
* Debugger PIN: 163-942-317
127.0.0.1 - - [15/Nov/2022 20:01:34] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 20:01:41] "POST /login HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 20:01:44] "POST /expense HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 20:02:05] "POST /expense HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 20:08:27] "POST /expense HTTP/1.1" 200 -
127.0.0.1 - - [15/Nov/2022 20:09:05] "POST /expense HTTP/1.1" 200 -
PS D:\Voughwork\lab> [