IMPLEMENTING WEB APPLICATION CREATING API IN FLASK

from flask import Flask, request, jsonify
app = Flask(name)
@app.route('/') def
hello_world():
return 'This is my first API call!'
<pre>@app.route('/post', methods=["POST"])def</pre>
testpost():
input_json = request.get_json(force=True)
dictToReturn = {'text':input_json['text']}
return jsonify(dictToReturn)
ALTER:
import os import
time import
datetimeimport
requestsimport
json import flask

```
import boto3
import psycopg2
from flask import request
app = flask.Flask(___name___)
app.config["DEBUG"] = True
db_cred = os.environ['DB_CRED']
def connectToDb():
  conn = psycopg2.connect(db_cred)cur
  = conn.cursor()
  return conn, cur
def closeDbConnection(conn, cur):
  cur.close()
  conn.close()
#This function will be used to execute a query and return the resultdef
db_query(query):
  conn, cur = connectToDb()
  cur.execute(query)
  res = cur.fetchall()
  closeDbConnection(conn, cur)
  return res
#This function will be used to insert a row or rows into the databasedef
db_insert(query, values):
```

```
conn, cur = connectToDb()
cur.execute(query, values)
conn.commit()
close
```

Why use an API?

Decoupling: By using an API other components are only dependent on the API, not the internals of the component, which means you can make changes to the internals without breaking thedependents.

Language Independenc: An API can be called from any programming language.

Isolation: By using an API, the components using the API are isolated from each other. One component can be replaced without affecting any other component that uses the API.

What is Flask?

Flask is a microframework for Python based on Werkzeug, Jinja 2 andgood intentions.

![flask](/images/flask.png)

Why use Flask?

Light: Flask is one of the lightest frameworks available **Easy to use:** Flask is easy to use and it's well documented.

Flexible