

VS Code interface showing a Python Flask application with IBM DB2 integration and SendGrid email functionality.

**EXPLORER**

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- OUTLINE
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**main.py**

```
1 from flask import Flask, render_template, request, redirect, url_for, flash, session
2 import ibm_db
3 import re
4 from sendgrid import SendGridAPIClient
5 from sendgrid.helpers.mail import Mail
6 import os
7
8
9 #creating instance of flask class
10 app = Flask(__name__)
11
12 #connecting with ibm db2
13 app.secret_key = "nutritionassistantapplication"
14 conn=ibm_db.connect("DRIVERS={IBM DB2 ODBC DRIVER};DATABASE=bludb;HOSTNAME=19af6446-6171-4641-8aba-9dcff8e1b6ff.c1ogj3sd0tgtu0lqde00.databases.ap
15 @app.route('/')
16 def index():
17     return render_template("index.html")
18
19
20 def send_confirmation_mail(user, mail):
21     message = Mail(
22         from_email = "nutritionassistantapplication@gmail.com",
23         to_emails = mail,
24         subject = "YAYY!! Your Account was created Successfully",
25         html_content = f"<strong>Congrats {user}</strong><br>Account Created with username {mail}"
26     )
27
28 SENDGRID_API_KEY='SG.5smgvX1BQSHbwzjgrDgyg.kTo_eAmQgwOu-Gb8tWxq9ZNB6ZrWVXuB_GhxHIW-gNw'
29 try:
30     sg = SendGridAPIClient(SENDGRID_API_KEY)
31     response = sg.send(message)
32     print(response.status_code)
33     #print(response.body)
34     #print(response.headers)
35 except Exception as e:
36     print(f"Some error in sendgrid, {e}")
37
38
```

Ln 4, Col 1 Spaces: 4 UTF-8 CRLF Python 3.9.1 64-bit

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