



National University of the Altiplano

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Course: Programming Languages II

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Issue: Compiler

Code: 227643

Group: IV-B

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app.py in Visual Code

```
1 import streamlit as st
2 import requests
3
4 def compile_code(code):
5
6     response = requests.post('http://localhost:5000/compile', json={'code': code
7 })
8     return response.json()
9
10 def main():
11     st.title("Compilador Avanzado")
12
13     # Editor de texto para el código fuente
14     code = st.text_area("Ingrese su código aquí :", height=400)
15
16     if st.button("Compilar"):
17         result = compile_code(code)
18         st.write("Resultado de la compilación:")
19         st.code(result)
20
21 if __name__ == "__main__":
22     main()
```

backend.py in Visual Code

```
1 from flask import Flask, request, jsonify
2
3 app = Flask(__name__)
4
5 @app.route('/compile', methods=['POST'])
6 def compile_code():
7     data = request.get_json()
8     code = data['code']
9
10    result = f"Código recibido para compilación:\n{code}"
11    return jsonify({'result': result})
12
13 if __name__ == "__main__":
14    app.run(debug=True)
```

Capture of code output:

