

Integrate Flask with Scoring End Points

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Project Name	University Admit Eligibility Predictor

Flask Integration:

```
app.py
D:\IBM > others > app.py
1 from flask import Flask, render_template, request
2 import requests
3 # NOTE: you must manually set API_KEY below using information retrieved from your IBM Cloud account.
4 API_KEY = "JB6vWmXh6VAGtAvMTh35BEf-UpdFQ_A5GV4X4j3Cs"
5 token_response = requests.post("https://iam.cloud.ibm.com/identity/token", data={"apikey":
6 API_KEY, "grant_type": "urn:ibm:params:oauth:grant-type:apikey"})
7 mltoken = token_response.json()["access_token"]
8 header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}
9 app = Flask(__name__)
10 @app.route("/")
11 def home():
12     return render_template("index.html")
13 @app.route("/target.html", methods=['POST'])
14 def target():
15     a = request.form['i0']
16     b = request.form['i2']
17     c = request.form['col']
18     d = request.form['se']
19     e = request.form['c']
20     f = request.form['r']
21     input = [[int(a), int(b), int(c), int(d), int(e), int(f)]]
22     payload_scoring = {
23         "input_data": [{"fields": [{"f0", 'f1', 'f2', 'f3', 'f4', 'f5'}], "values": input}]
24     response_scoring = requests.post(
25         "https://us-south.ml.cloud.ibm.com/ml/v4/deployments/06ad8c07-52a3-476a-8055-23d78822b834/predictions?version=2022-11-17",
26         json=payload_scoring,
27         headers={'Authorization': 'Bearer ' + mltoken})
28     print("Scoring response")
29     print(response_scoring.json())
30     pred = response_scoring.json()
31     output = pred['predictions'][0]['values'][0][0]
32     print(output)
33     return render_template("Result.html", y= str(output))
34 if __name__ == "__main__":
35     app.run(debug=True)
36
```