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Batch Code: LISUM03

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Submitted to: Data Glacier

Cloud and API deployment

Code:

```
1  import pickle
2  import numpy as np
3  from flask import request, Flask
4
5
6  app=Flask(__name__)
7
8  @app.route('/')
9  def home():
10     return "Hello"
11  @app.route('/predict/', methods=['POST'])
12  def predict():
13     model=pickle.load(open('iris.pkl', 'rb'))
14     x = np.array([request.args.get("a"),
15                  request.args.get("b"),
16                  request.args.get("c"),
17                  request.args.get("d")]).reshape((-1,4))
18
19     return f"Answer{model.predict(x)}"
20
21  app.run()
```

RUN:

```
E:\Internship\Week5>python code.py
* Serving Flask app 'code' (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
C:\Users\XXXXXX\AppData\Local\Programs\Python\Python39\lib\site-packages\sklearn\base.py:310: UserWarning: Trying to unpickle estimator DecisionTreeClassifier from version 0.22.1 when using version 0.24.2. This might lead to breaking code or invalid results. Use at your own risk.
  warnings.warn(
127.0.0.1 - - [14/Oct/2021 14:33:59] "POST /predict/?a=0&b=0&c=0&d=0 HTTP/1.1" 200 -
```

Postman deployment:

http://127.0.0.1:5000/predict/?a=0&b=0&c=0&d=0

POST

http://127.0.0.1:5000/predict/?a=0&b=0&c=0&d=0

Params

Authorization

Headers (7)

Body

Pre-request Script

Tests

Settings

<input checked="" type="checkbox"/>	a	0
<input checked="" type="checkbox"/>	b	0
<input checked="" type="checkbox"/>	c	0
<input checked="" type="checkbox"/>	d	0

Body

Cookies

Headers (4)

Test Results

Pretty

Raw

Preview

Visualize

HTML

1 Answer[0]

Status: 200 OK

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