Status Code

- **200 OK** - The request has succeeded.
- **201 Created** - The request has been fulfilled and resulted in a new resource being created.
- **204 No Content** - The server successfully processed the request, but is not returning any content.
- **400 Bad Request** - The server could not understand the request due to invalid syntax.
- **401 Unauthorized** - The client must authenticate itself to get the requested response.
- **403 Forbidden** - The client does not have access rights to the content.
- **404 Not Found** - The server can not find the requested resource.
- **500 Internal Server Error** - The server has encountered a situation it doesn't know how to handle.

```python
from flask import Flask, jsonify, request

app = Flask('__main__')

@app.route('/status-demo', methods=['GET'])
def status_demo():
    status_code = request.args.get('status_code')

    if not status_code:
        return jsonify({"error": "status_code query parameter is required"}), 400  # E

    try:
        status_code = int(status_code)
    except ValueError:
        return jsonify({"error": "status_code must be an integer"}), 400  # Bad Reques

    if status_code == 200:
        return jsonify({"message": "OK"}), 200  # OK
    elif status_code == 201:
        return jsonify({"message": "Created"}), 201  # Created
    elif status_code == 204:
        return '', 204  # No Content
    elif status_code == 400:
        return jsonify({"error": "Bad Request"}), 400  # Bad Request
    elif status_code == 401:
        return jsonify({"error": "Unauthorized"}), 401  # Unauthorized
    elif status_code == 403:
        return jsonify({"error": "Forbidden"}), 403  # Forbidden
    elif status_code == 404:
        return jsonify({"error": "Not Found"}), 404  # Not Found
    elif status_code == 500:
        return jsonify({"error": "Internal Server Error"}), 500  # Internal Server Err
    else:
        return jsonify({"error": "Status code not handled"}), 400  # Bad Request for u

if __name__ == '__main__':
```

```
    app.run(debug=True)
```

Test the Application:

```
http://127.0.0.1:5000/status-demo?status_code=200
```

Respose

```
        {
  "message": "OK"
}
```

- **201 Created**:

```
http://127.0.0.1:5000/status-demo?status_code=201
```

Response:

```
{
"message": "Created"
}
```

204 No Content:

```
http://127.0.0.1:5000/status-demo?status_code=204
```

No content in response.

- **400 Bad Request**:

```
http://127.0.0.1:5000/status-demo?status_code=400
```

Response:

```
{
"error": "Bad Request"
}
```

- **401 Unauthorized**:

```
http://127.0.0.1:5000/status-demo?status_code=401
```

Response:

```
{
"error": "Unauthorized"
}
```

- **403 Forbidden**:

```
http://127.0.0.1:5000/status-demo?status_code=403
```

Response:

```
{
"error": "Forbidden"
}
```

- **404 Not Found**:

```
http://127.0.0.1:5000/status-demo?status_code=404
```

Response:

```
{
"error": "Not Found"
}
```

- **500 Internal Server Error**:

```
http://127.0.0.1:5000/status-demo?status_code=500
```

Response:

```
{
"error": "Internal Server Error"
}
```

- **Unhandled Status Code**:

```
http://127.0.0.1:5000/status-demo?status_code=999
```

Response:

```
{
"error": "Status code not handled"
}
```