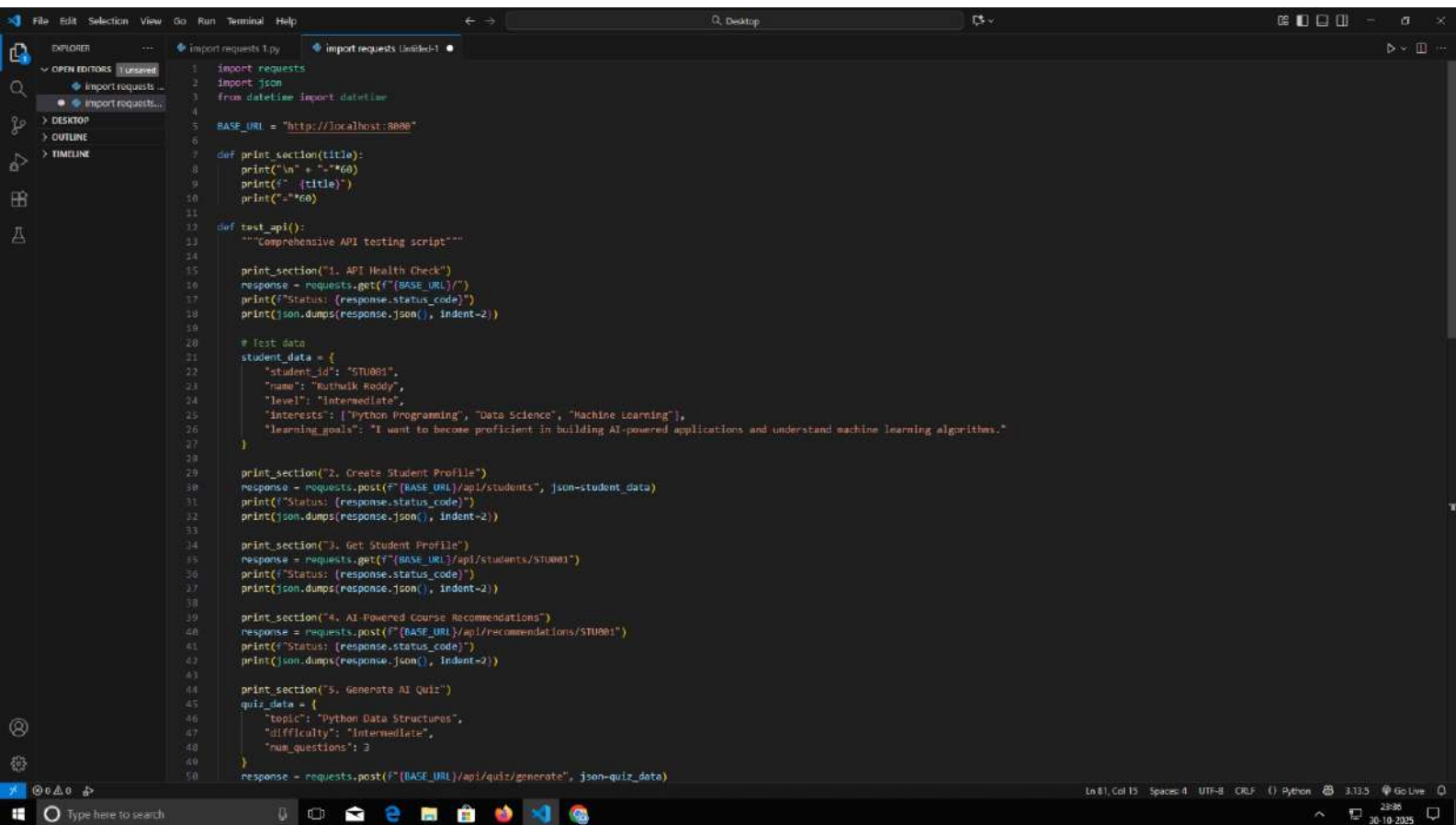


```
File Edit Selection View Go Run Terminal Help
import requests.py import requests Untitled-1
EXPLORER
OPEN EDITORS
import requests.py
import requests.py
DESKTOP
OUTLINE
TIMELINE
12 def test_api():
13     print_section("3. Get Student Profile")
14     response = requests.get(f"{BASE_URL}/api/students/STU001")
15     print(f"Status: {response.status_code}")
16     print(json.dumps(response.json(), indent=2))
17
18     print_section("4. AI-Powered Course Recommendations")
19     response = requests.post(f"{BASE_URL}/api/recommendations/STU001")
20     print(f"Status: {response.status_code}")
21     print(json.dumps(response.json(), indent=2))
22
23     print_section("5. Generate AI Quiz")
24     quiz_data = {
25         "topic": "Python Data Structures",
26         "difficulty": "Intermediate",
27         "num_questions": 3
28     }
29     response = requests.post(f"{BASE_URL}/api/quiz/generate", json=quiz_data)
30     print(f"Status: {response.status_code}")
31     quiz_response = response.json()
32     print(json.dumps(quiz_response, indent=2))
33
34     quiz_id = quiz_response['quiz_id']
35
36     print_section("6. Evaluate Student Answer")
37     answer_data = {
38         "student_id": "STU001",
39         "quiz_id": quiz_id,
40         "question_index": 0,
41         "student_answer": "A"
42     }
43     response = requests.post(f"{BASE_URL}/api/quiz/evaluate", json=answer_data)
44     print(f"Status: {response.status_code}")
45     print(json.dumps(response.json(), indent=2))
46
47     print_section("7. Student Progress Report")
48     response = requests.get(f"{BASE_URL}/api/progress/STU001")
49     print(f"Status: {response.status_code}")
50     print(json.dumps(response.json(), indent=2))
51
52     print_section("8. Platform Statistics")
53     response = requests.get(f"{BASE_URL}/api/stats")
54     print(f"Status: {response.status_code}")
55     print(json.dumps(response.json(), indent=2))
56
57     print("\n✅ All tests completed successfully!")
58
59 if __name__ == "__main__":
60     test_api()
61
Ln 81, Col 15 Spaces: 4 UTF-8 CRLF Python 3.13.5 Go Live
23:38
20-10-2025
```



The image shows a Visual Studio Code editor window with a Python script titled 'import requests 1.py'. The script is designed to test an API at 'http://localhost:8080'. It includes a utility function 'print_section' for formatting output and a main function 'test_api' that performs five tasks: 1. API Health Check (GET /), 2. Create Student Profile (POST /api/students), 3. Get Student Profile (GET /api/students/STU001), 4. AI-Powered Course Recommendations (POST /api/recommendations/STU001), and 5. Generate AI Quiz (POST /api/quiz/generate). The script uses the 'requests' and 'json' libraries and prints the status code and JSON response for each request. The Explorer sidebar on the left shows the file structure, and the bottom status bar indicates the current line and column.

```
1 import requests
2 import json
3 from datetime import datetime
4
5 BASE_URL = "http://localhost:8080"
6
7 def print_section(title):
8     print("\n" + "-"*60)
9     print(f" {title}")
10    print("-"*60)
11
12 def test_api():
13     """Comprehensive API testing script"""
14
15     print_section("1. API Health Check")
16     response = requests.get(f"{BASE_URL}/")
17     print(f"Status: {response.status_code}")
18     print(json.dumps(response.json(), indent=2))
19
20     # Test data
21     student_data = {
22         "student_id": "STU001",
23         "name": "Ruthvik Reddy",
24         "level": "Intermediate",
25         "interests": ["Python Programming", "Data Science", "Machine Learning"],
26         "learning_goals": "I want to become proficient in building AI-powered applications and understand machine learning algorithms."
27     }
28
29     print_section("2. Create Student Profile")
30     response = requests.post(f"{BASE_URL}/api/students", json=student_data)
31     print(f"Status: {response.status_code}")
32     print(json.dumps(response.json(), indent=2))
33
34     print_section("3. Get Student Profile")
35     response = requests.get(f"{BASE_URL}/api/students/STU001")
36     print(f"Status: {response.status_code}")
37     print(json.dumps(response.json(), indent=2))
38
39     print_section("4. AI-Powered Course Recommendations")
40     response = requests.post(f"{BASE_URL}/api/recommendations/STU001")
41     print(f"Status: {response.status_code}")
42     print(json.dumps(response.json(), indent=2))
43
44     print_section("5. Generate AI Quiz")
45     quiz_data = {
46         "topic": "Python Data Structures",
47         "difficulty": "Intermediate",
48         "num_questions": 3
49     }
50     response = requests.post(f"{BASE_URL}/api/quiz/generate", json=quiz_data)
```

```
File Edit Selection View Go Run Terminal Help
import requests
32 def test_api():
33     print_section("3. Get Student Profile")
34     response = requests.get(f"{BASE_URL}/api/students/STU001")
35     print(f"Status: {response.status_code}")
36     print(json.dumps(response.json(), indent=2))
37
38     print_section("4. AI-Powered Course Recommendations")
39     response = requests.post(f"{BASE_URL}/api/recommendations/STU001")
40     print(f"Status: {response.status_code}")
41     print(json.dumps(response.json(), indent=2))
42
43     print_section("5. Generate AI Quiz")
44     quiz_data = {
45         "topic": "Python Data Structures",
46         "difficulty": "Intermediate",
47         "num_questions": 3
48     }
49     response = requests.post(f"{BASE_URL}/api/quiz/generate", json=quiz_data)
50     print(f"Status: {response.status_code}")
51     quiz_response = response.json()
52     print(json.dumps(quiz_response, indent=2))
53
54     quiz_id = quiz_response['quiz_id']
55
56     print_section("6. Evaluate Student Answer")
57     answer_data = {
58         "student_id": "STU001",
59         "quiz_id": quiz_id,
60         "question_index": 0,
61         "student_answer": "A"
62     }
63     response = requests.post(f"{BASE_URL}/api/quiz/evaluate", json=answer_data)
64     print(f"Status: {response.status_code}")
65     print(json.dumps(response.json(), indent=2))
66
67     print_section("7. Student Progress Report")
68     response = requests.get(f"{BASE_URL}/api/progress/STU001")
69     print(f"Status: {response.status_code}")
70     print(json.dumps(response.json(), indent=2))
71
72     print_section("8. Platform Statistics")
73     response = requests.get(f"{BASE_URL}/api/stats")
74     print(f"Status: {response.status_code}")
75     print(json.dumps(response.json(), indent=2))
76
77     print("\n✅ All tests completed successfully!")
78
79 if __name__ == "__main__":
80     test_api()
81
```

