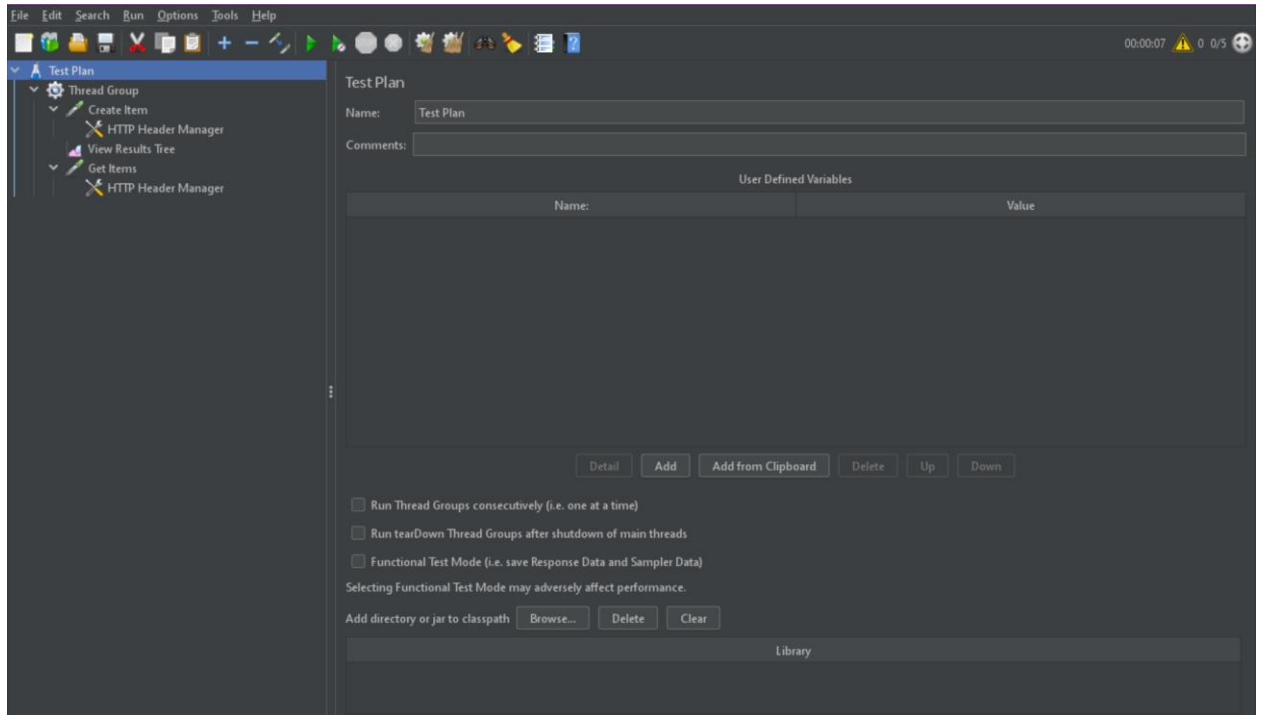
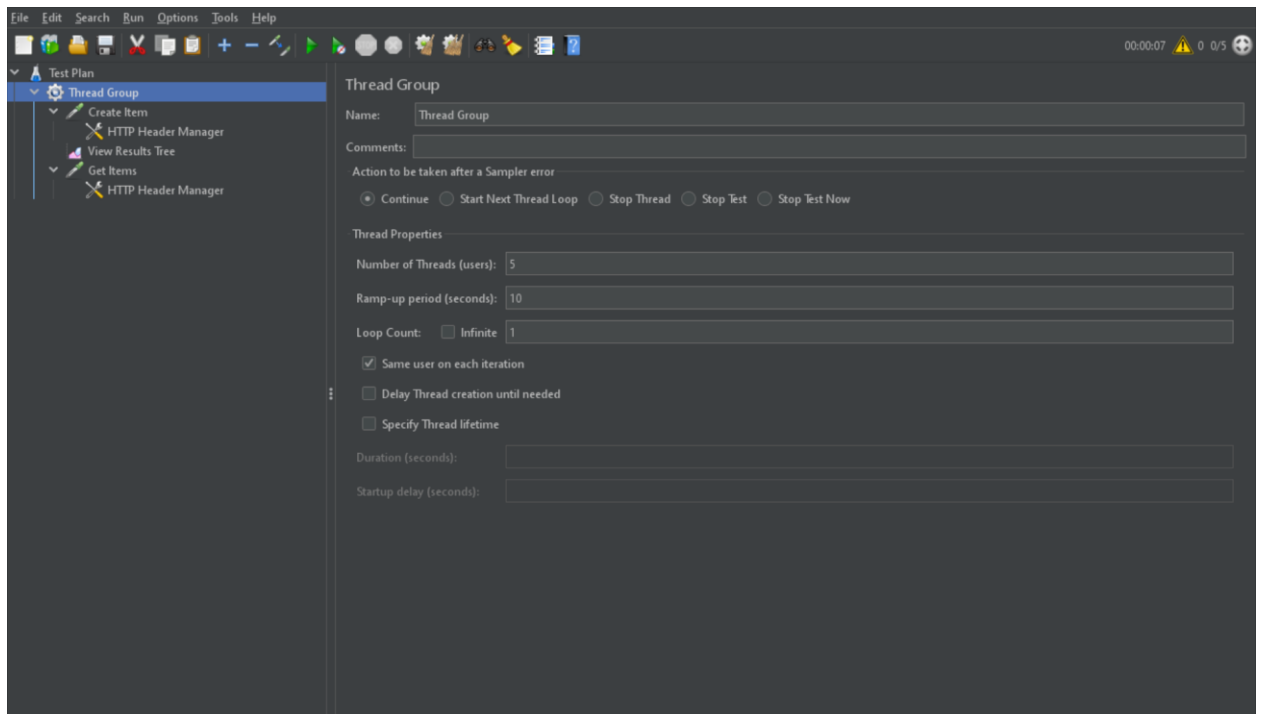


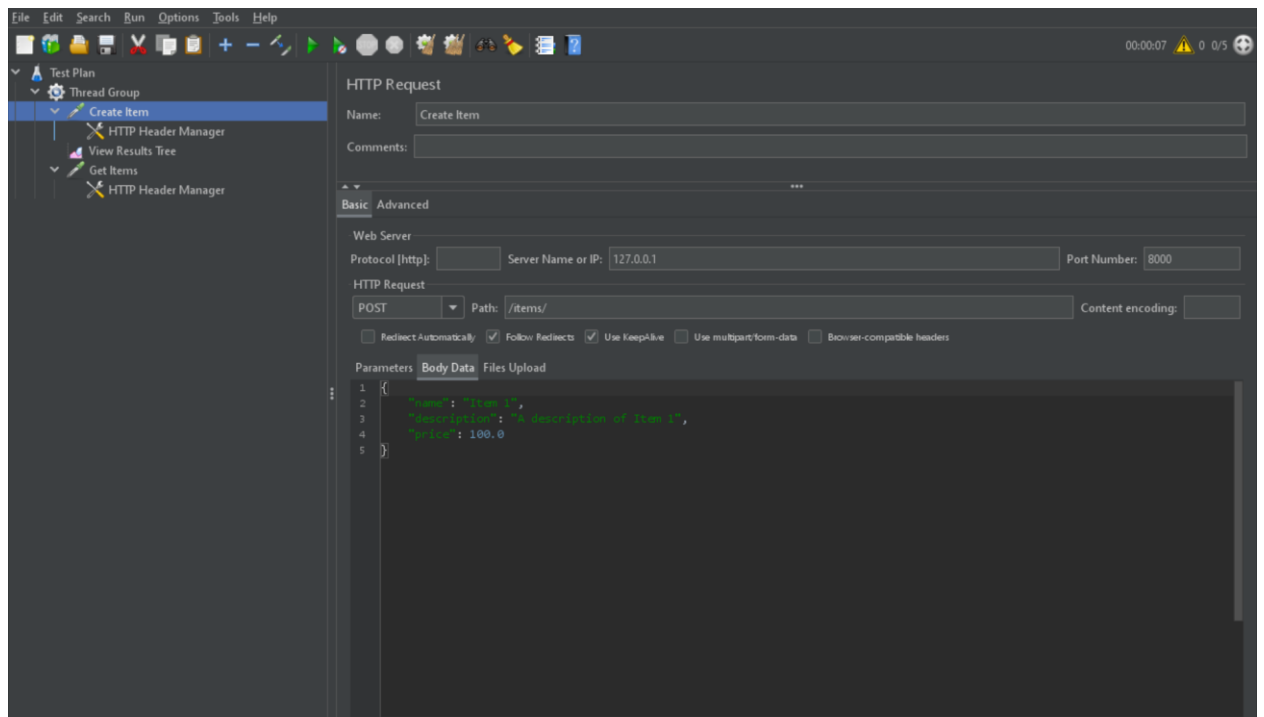
Практическая работа №5

1. Создаем новый тестовый план:

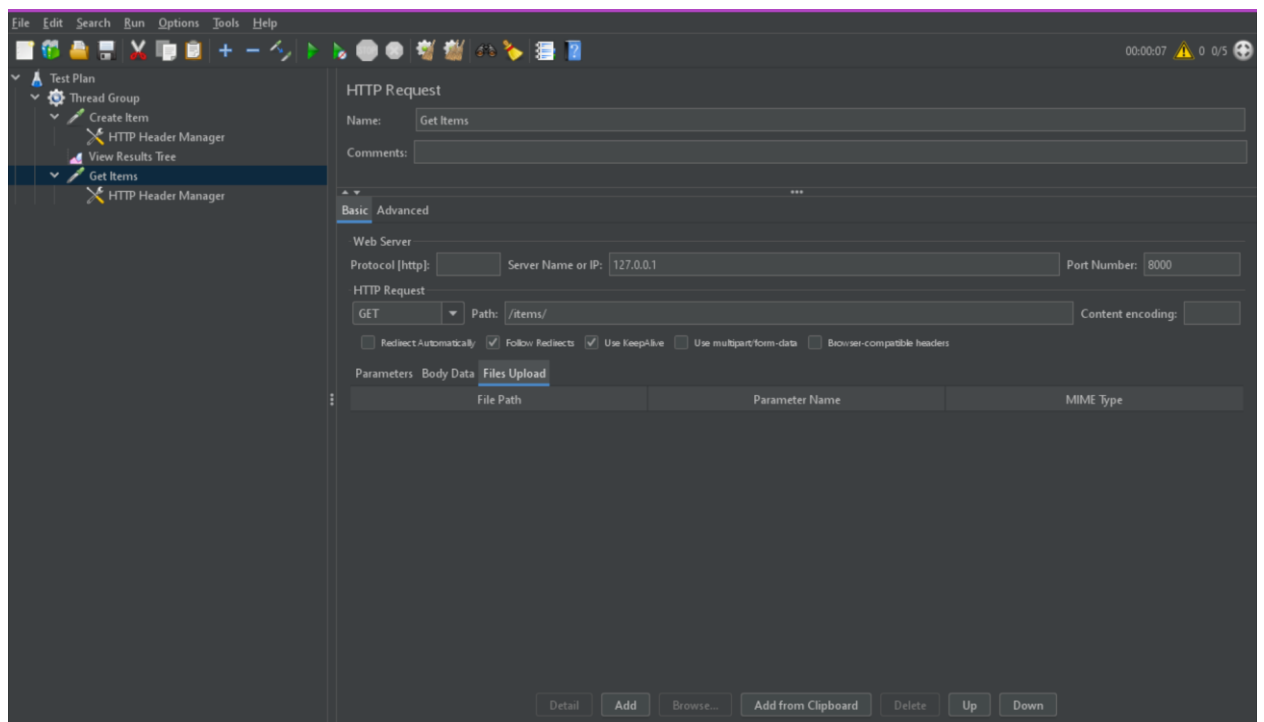


2. Добавляем Thread Group, Sampler, Listener:



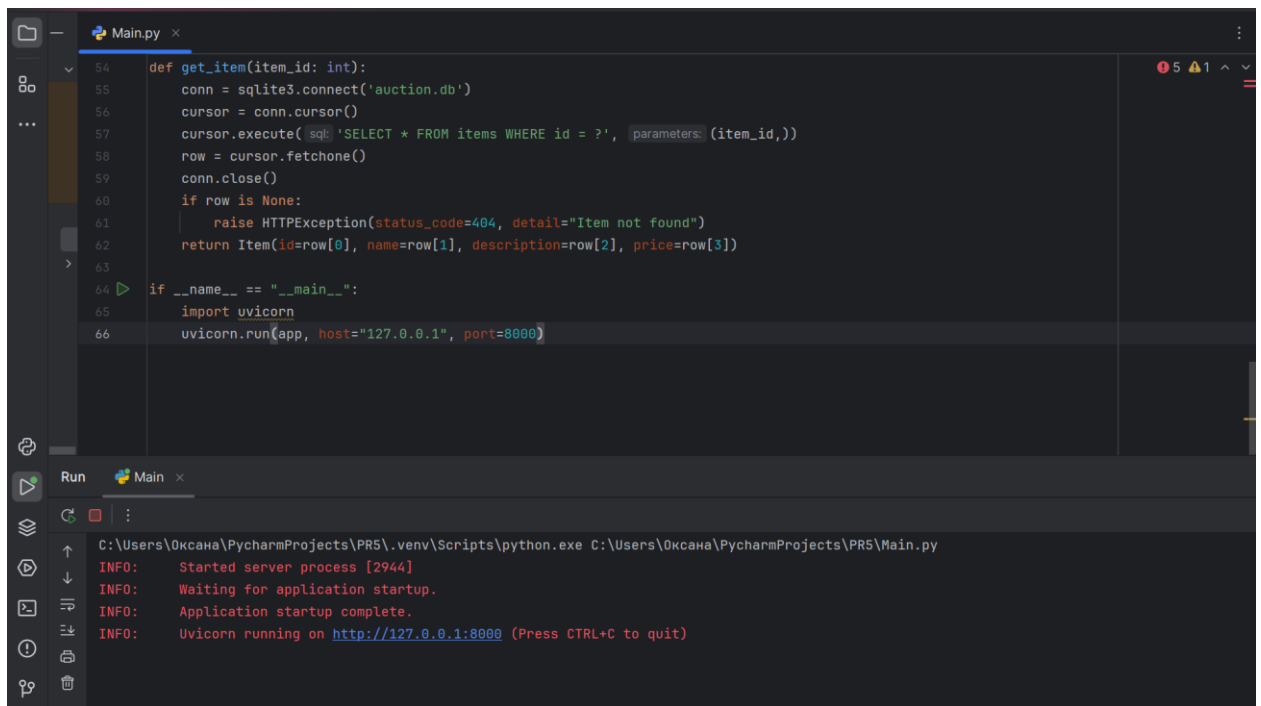


2



3

3. Запускаем сервер:



The screenshot shows the PyCharm IDE with a file named `Main.py` open. The code defines a `get_item` function that connects to a SQLite database, queries for an item by ID, and returns its details. It also includes a `__main__` block that imports `uvicorn` and runs the application on `127.0.0.1:8000`. Below the editor, the Run console shows the command used to start the server and the resulting logs, which indicate that the server has started successfully and is listening on the specified address.

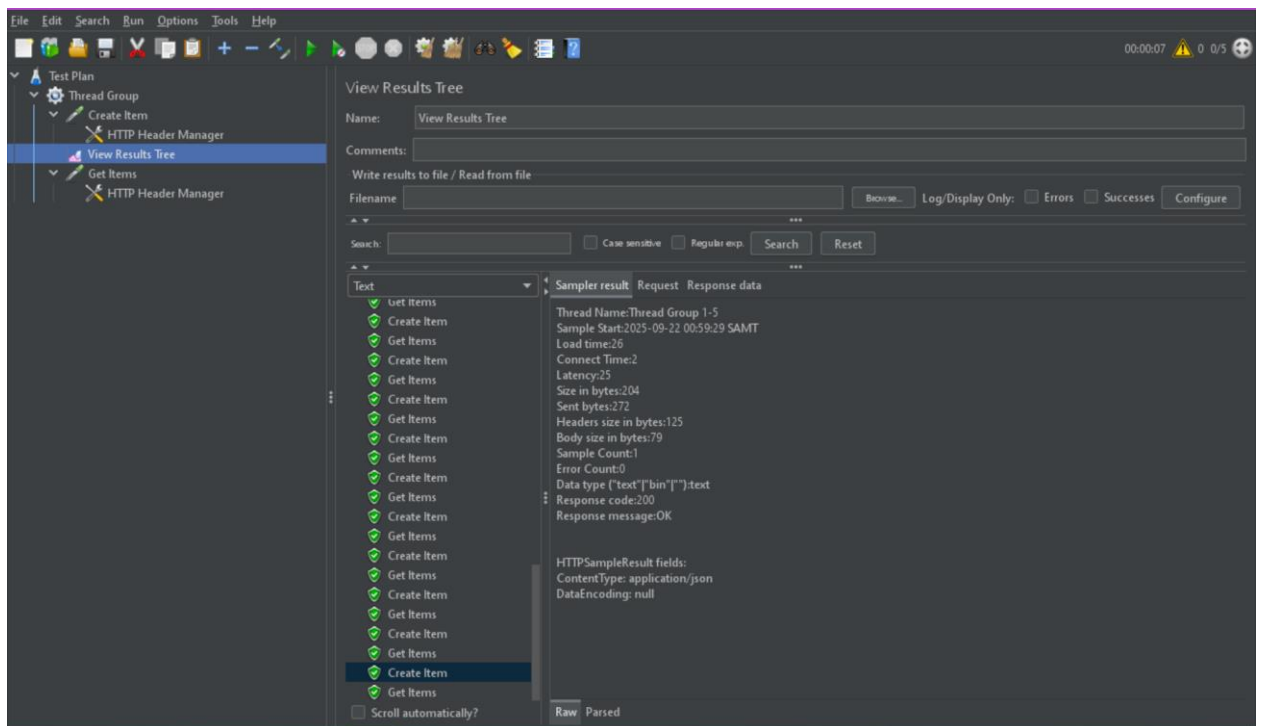
```
54 def get_item(item_id: int):
55     conn = sqlite3.connect('auction.db')
56     cursor = conn.cursor()
57     cursor.execute('SELECT * FROM items WHERE id = ?', parameters: (item_id,))
58     row = cursor.fetchone()
59     conn.close()
60     if row is None:
61         raise HTTPException(status_code=404, detail="Item not found")
62     return Item(id=row[0], name=row[1], description=row[2], price=row[3])
63
64 if __name__ == "__main__":
65     import uvicorn
66     uvicorn.run(app, host="127.0.0.1", port=8000)
```

Run Main x

C:\Users\Оксана\PycharmProjects\PR5\.venv\Scripts\python.exe C:\Users\Оксана\PycharmProjects\PR5\Main.py

INFO: Started server process [2944]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on <http://127.0.0.1:8000> (Press CTRL+C to quit)

4. Запускаем тесты:



The screenshot displays the JMeter Test Plan interface. The 'View Results Tree' is selected, showing a list of test elements on the left and their results on the right. The results pane shows a 'Sampler result' for a 'Get Items' request, including details like 'Thread Name', 'Sample Start', 'Load time', 'Connect Time', 'Latency', 'Size in bytes', 'Sent bytes', 'Headers size in bytes', 'Body size in bytes', 'Sample Count', 'Error Count', 'Data type', 'Response code', and 'Response message'. The 'Raw' and 'Parsed' tabs are visible at the bottom.

Test Plan

- Thread Group
 - Create Item
 - HTTP Header Manager
 - View Results Tree
 - Get Items
 - HTTP Header Manager

View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename: Browse... Log/Display Only: ☐ Errors ☐ Successes ☐ Configure

Search: Case sensitive Regular exp. Search Reset

Text

Sampler result: Request Response data

Thread Name: Thread Group 1-5
Sample Start: 2025-09-22 00:59:29 SAMT
Load time: 26
Connect Time: 2
Latency: 25
Size in bytes: 204
Sent bytes: 272
Headers size in bytes: 125
Body size in bytes: 79
Sample Count: 1
Error Count: 0
Data type ("text"|"bin"|"T"): text
Response code: 200
Response message: OK

HTTPSampleResult fields:
ContentType: application/json
DataEncoding: null

Raw Parsed

5. Проверяем результаты:

```
Terminal Local x + v
...
StatusCode      : 200
StatusDescription : OK
Content          : [{"id":1,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":2,"name":"Item 1","description":"A description of Item 1","price":100.0},{"id":3,"name":"Item 1","description":"A ...
RawContent       : HTTP/1.1 200 OK
                  Content-Length: 1192
                  Content-Type: application/json
                  Date: Sun, 21 Sep 2025 21:12:47 GMT
                  Server: uvicorn

                  [{"id":1,"name":"Item 1","description":"A description of Item 1","price":...
Forms            : {}
Headers          : {[Content-Length, 1192], [Content-Type, application/json], [Date, Sun, 21 Sep 2025 21:12:47 GMT], [Server, uvicorn]}
Images           : {}
InputFields      : {}
Links            : {}
ParsedHtml       : mshtml.HTMLDocumentClass
RawContentLength : 1192
```