

## Практическая работа №5

**Задание:**

Теперь создадим тесты для этого бэкенда в JMeter.

### 1. Создание тестового плана

- Откройте JMeter.
- Создайте новый тестовый план (Test Plan).

### 2. Добавление Thread Group

- Правый клик на Test Plan → Add → Threads (Users) → Thread Group.
- Установите "Number of Threads (users)" на 5, "Ramp-Up Period (seconds)" на 10 и "Loop Count" на 1.

### 3. Добавление HTTP Request Sampler для POST запроса

- Правый клик на Thread Group → Add → Sampler → HTTP Request.
- В настройках HTTP Request:
  - Name: Create Item
  - Server Name or IP: 127.0.0.1
  - Port Number: 8000
  - Method: POST
  - Path: /items/
  - Body Data: Вставьте пример данных:

json

Копировать код

```
{  
  "name": "Item 1",  
  "description": "A description of Item 1",  
  "price": 100.0  
}
```

### 4. Добавление HTTP Request Sampler для GET запроса

- Правый клик на Thread Group → Add → Sampler → HTTP Request.
  - В настройках HTTP Request:

- **Name: Get Items**
- **Server Name or IP: 127.0.0.1**
- **Port Number: 8000**
- **Method: GET**
- **Path: /items/**

## 5. Добавление Listener

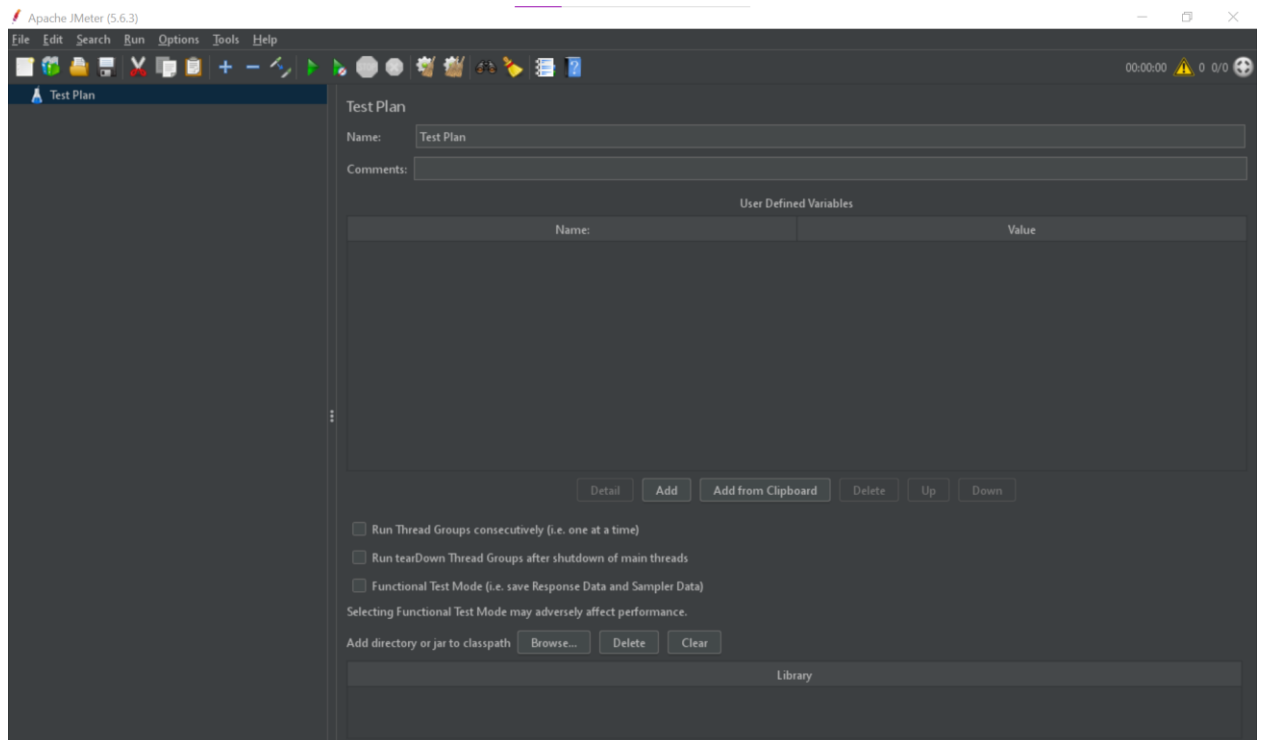
- Правый клик на Thread Group → Add → Listener → View Results Tree.

## 6. Запуск тестов

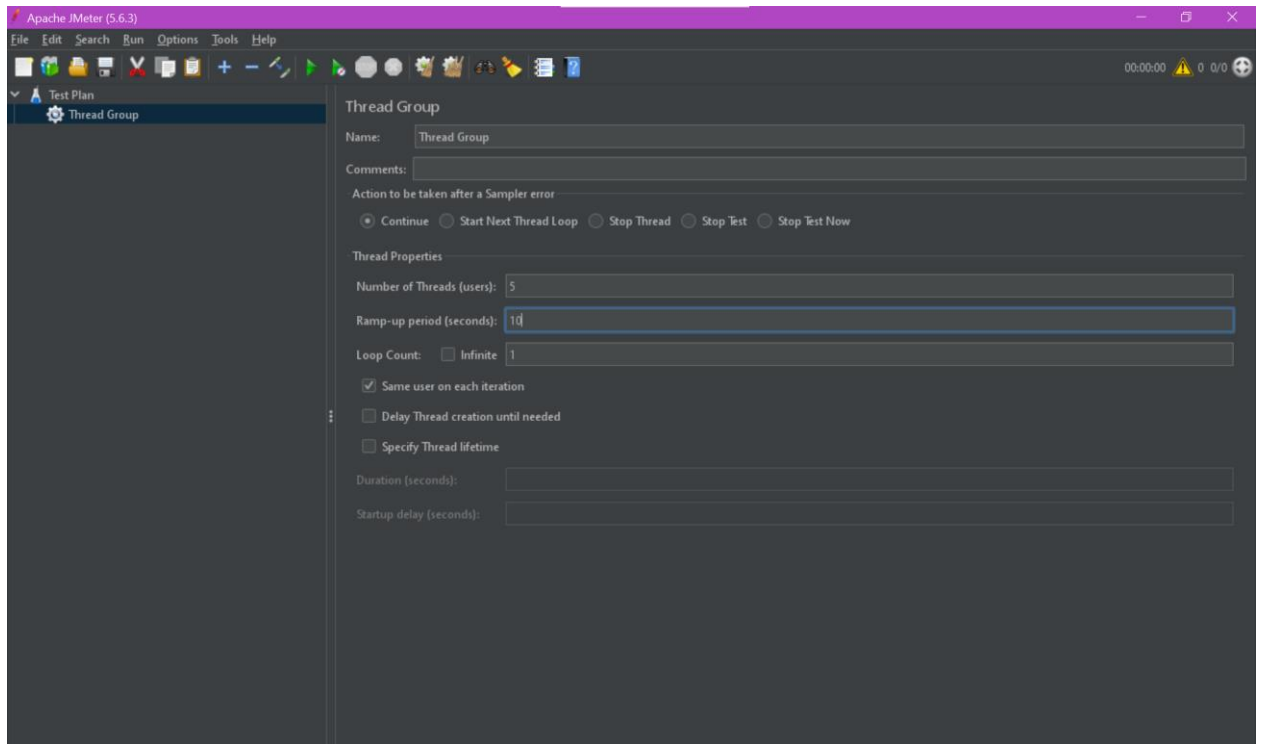
- Нажмите кнопку "Start" на панели инструментов JMeter.
- После завершения теста, просмотрите результаты в "View Results Tree".

Делаем все согласно методичке:

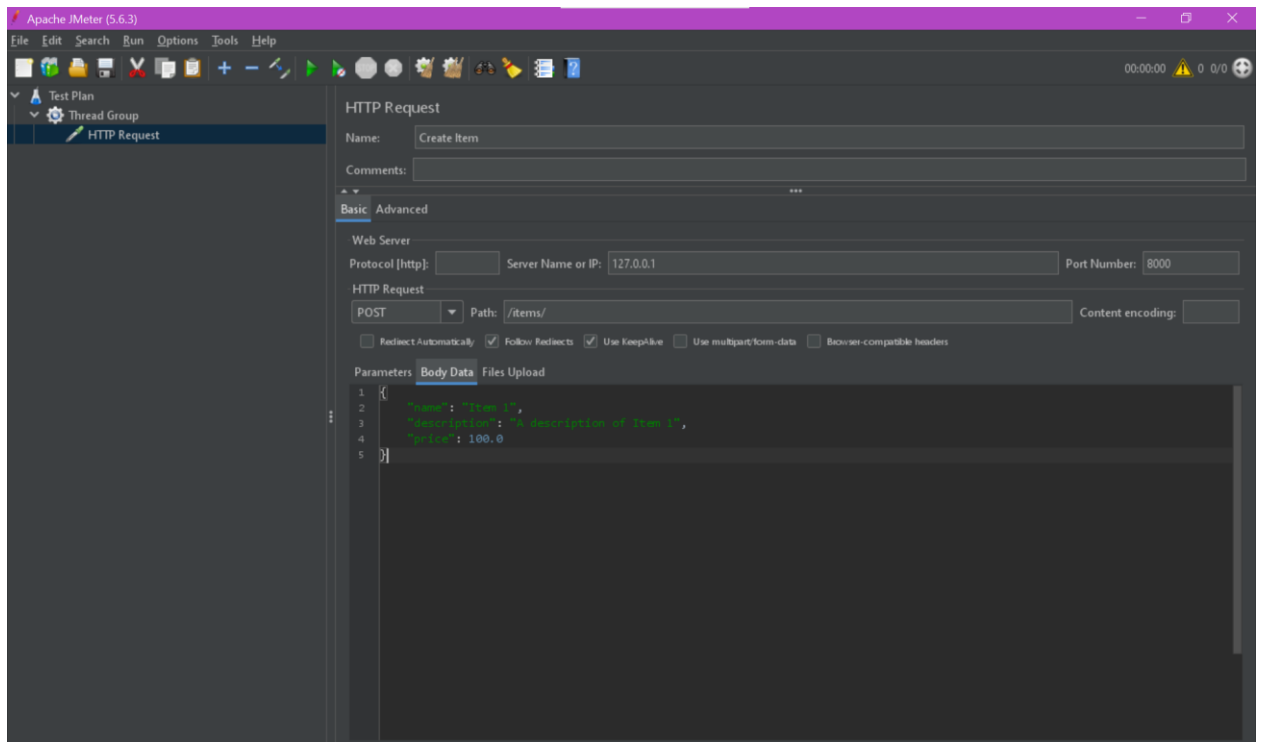
## 1. Создаем тестовый план:



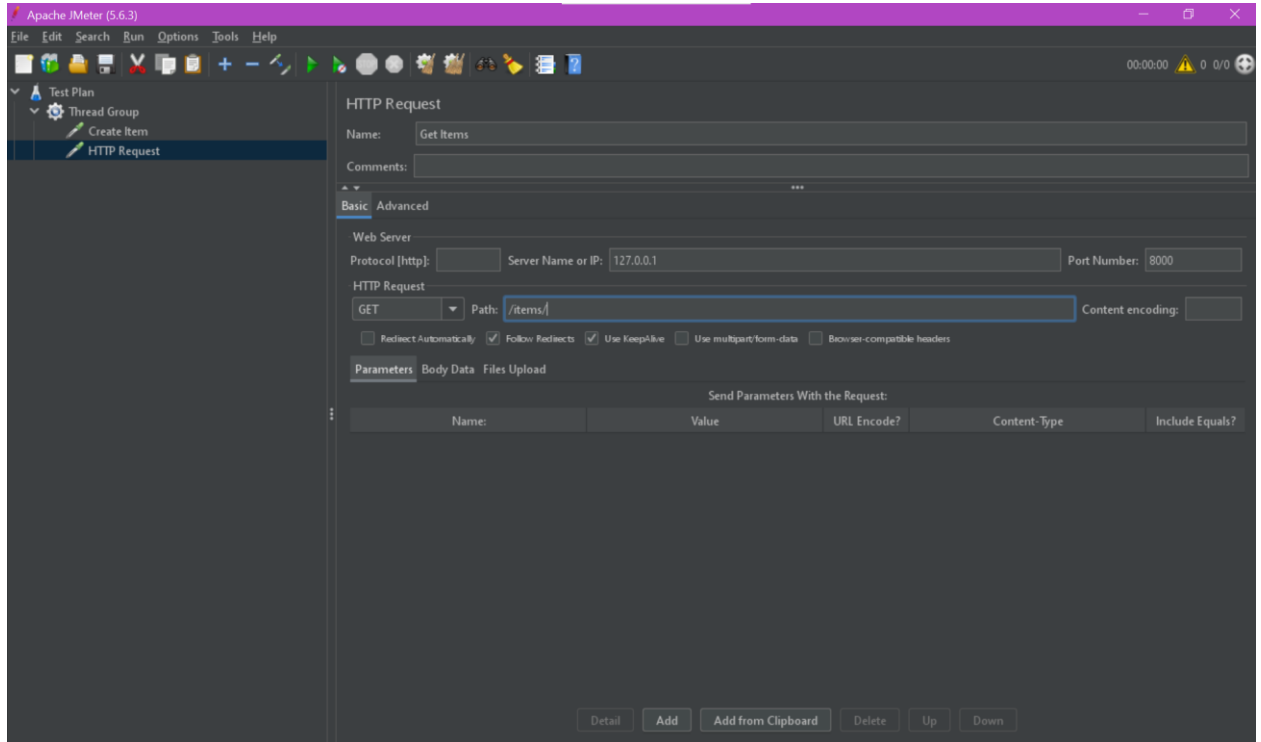
## 2.Добавляем Thread Group:



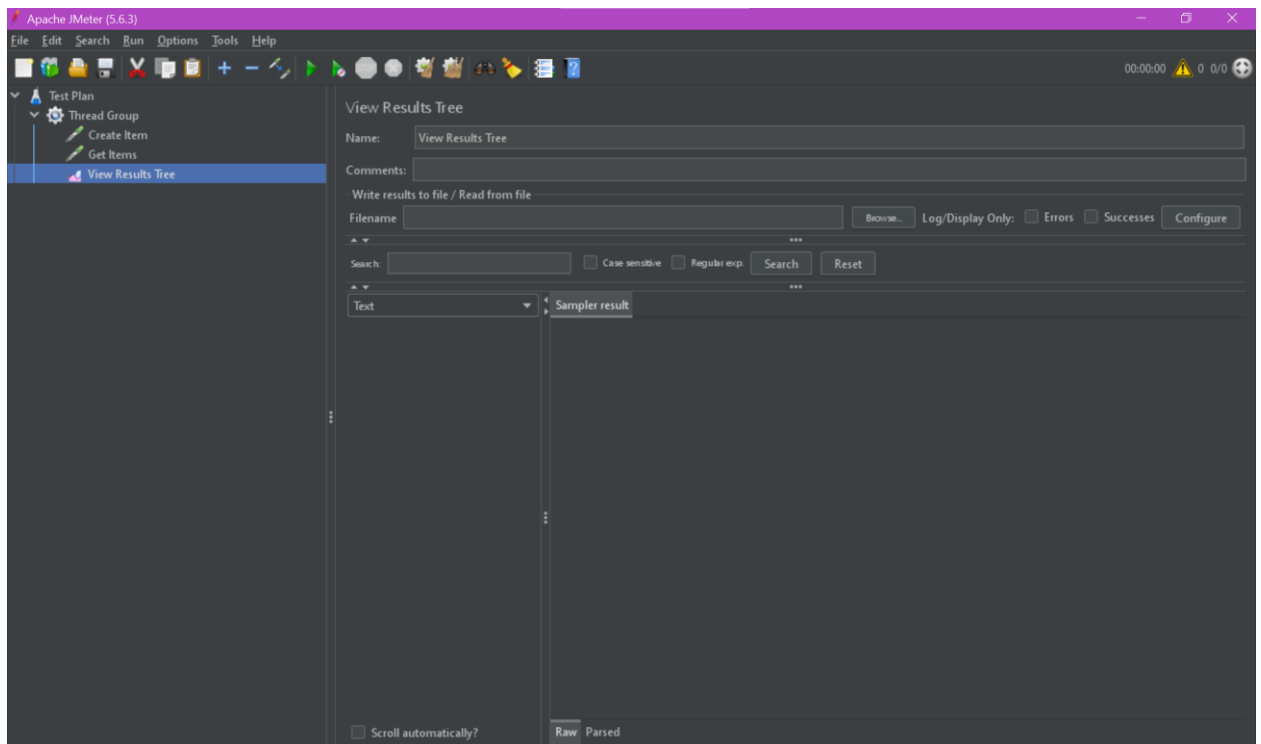
## 3.Добавляем HTTP Request Sampler для POST запроса:



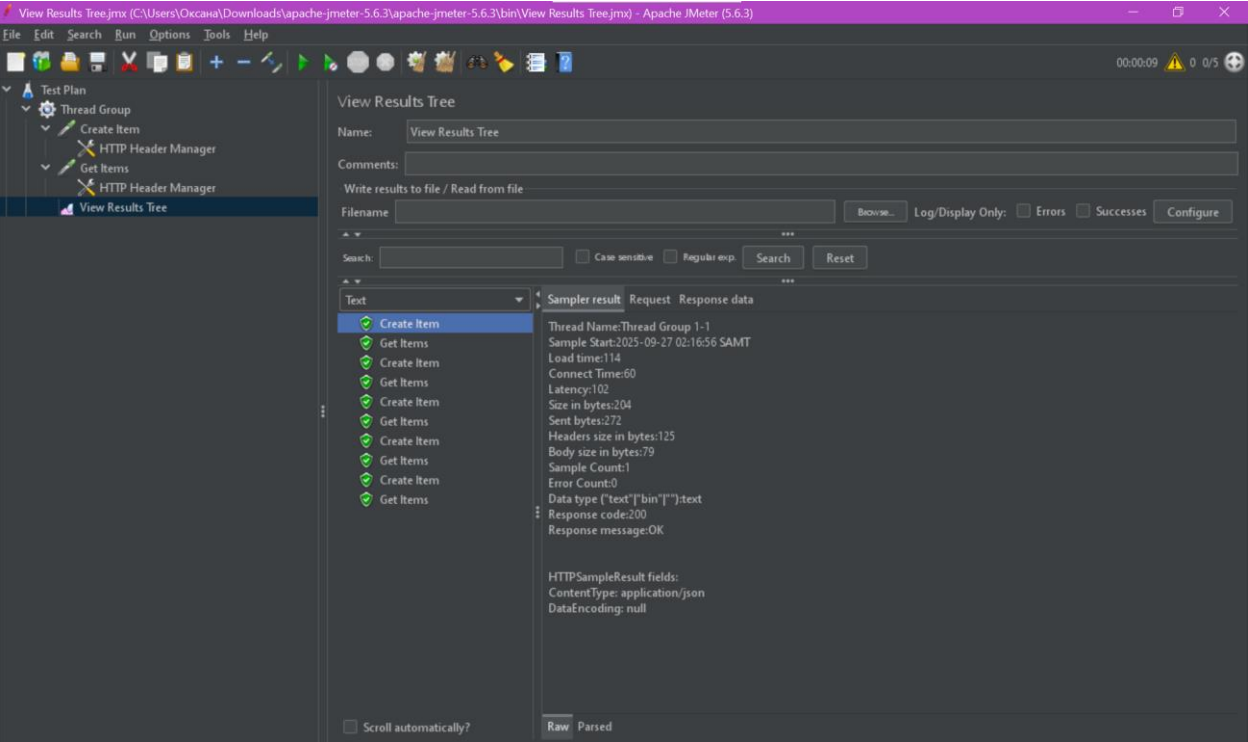
## 4.Добавляем HTTP Request Sampler для GET запроса:



## 5.Добавляем Listener:



### 6.Запускаем тесты:



```
INFO: Started server process [15072]
INFO: Waiting for application startup.
INFO: Application startup complete.
INFO: Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO: 127.0.0.1:65013 - "POST /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65013 - "GET /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65014 - "POST /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65014 - "GET /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65016 - "POST /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65016 - "GET /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65017 - "POST /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65017 - "GET /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65019 - "POST /items/ HTTP/1.1" 200 OK
INFO: 127.0.0.1:65019 - "GET /items/ HTTP/1.1" 200 OK
```

Автоформатировать ☐

```
[{"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 description of Item 1","price":100.0}, {"id":4,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":5,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":6,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":7,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":8,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":9,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":10,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":11,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":12,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":13,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":14,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":15,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":16,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":17,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":18,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":19,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":20,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":21,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":22,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":23,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":24,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":25,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":26,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":27,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":28,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":29,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":30,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":31,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":32,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":33,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":34,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":35,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":36,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":37,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":38,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":39,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":40,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":41,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":42,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":43,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":44,"name":"Item 1","description":"A description of Item 1","price":100.0}, {"id":45,"name":"Item 1","description":"A description of Item 1","price":100.0}]
```