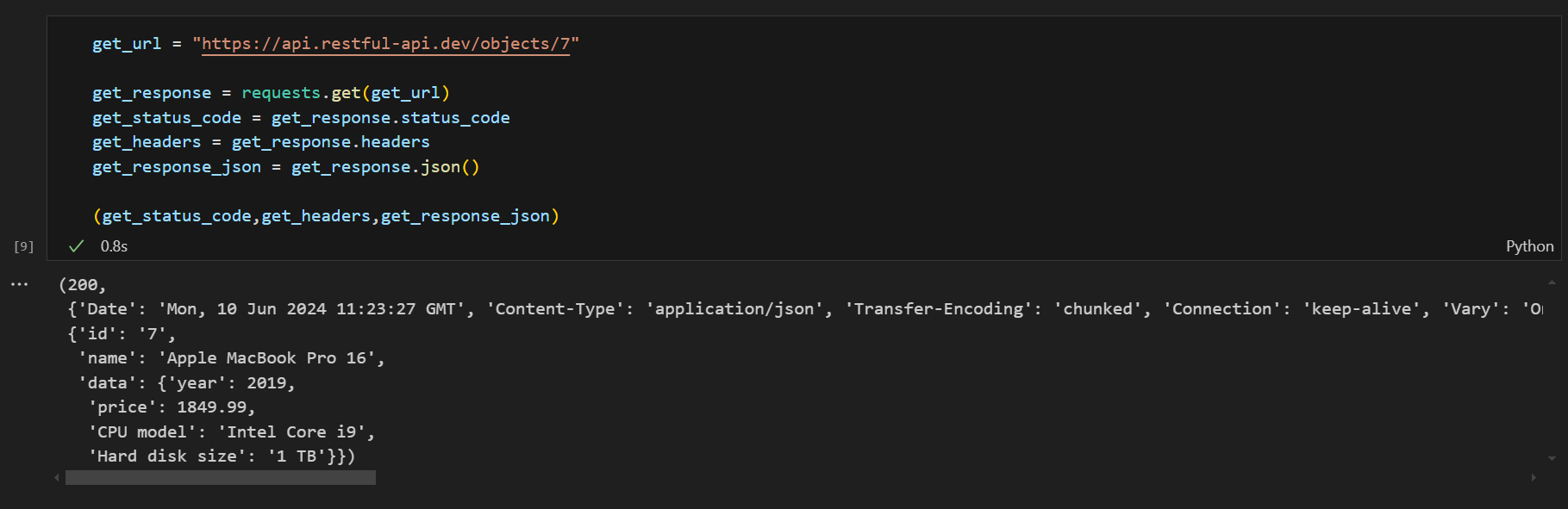
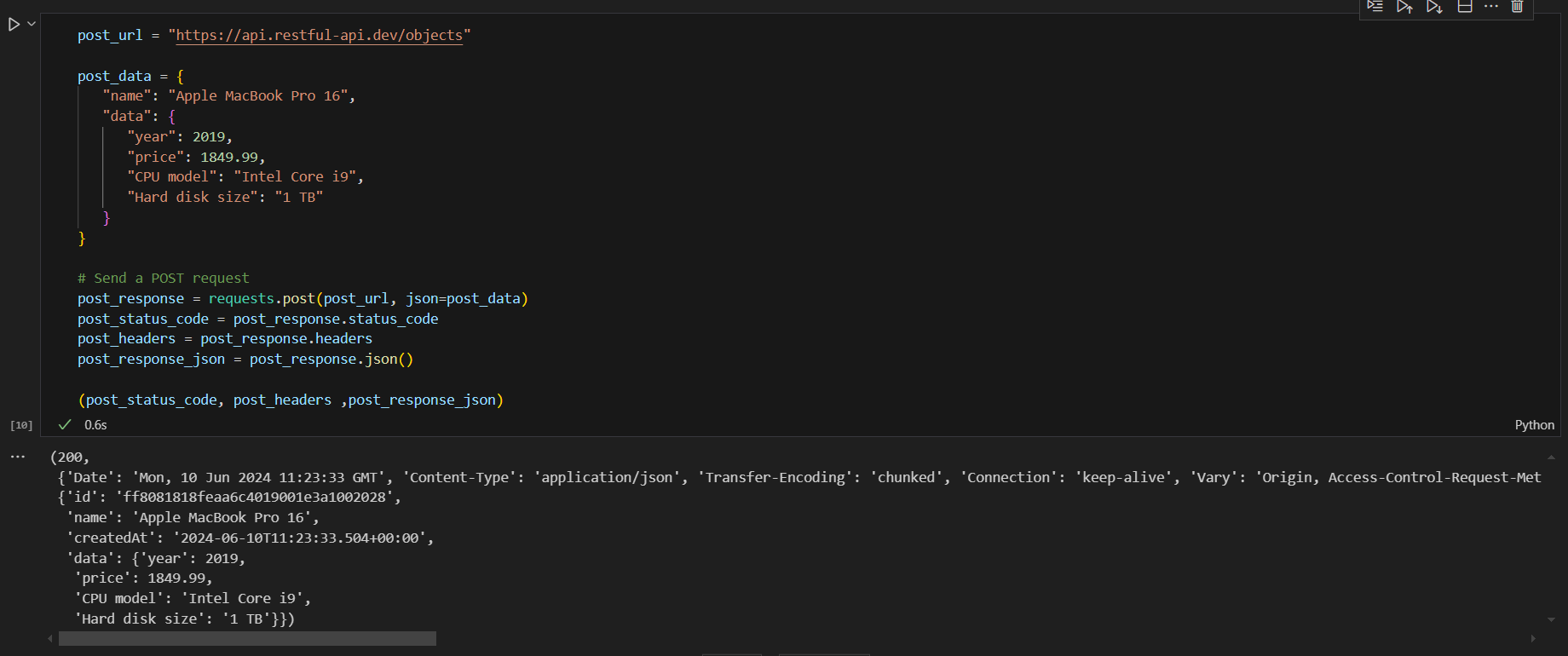
### **HTTP Transaction Exploration:**

1. **HTTP GET Request**:
   * URL: <https://api.restful-api.dev/objects/7>
   * Response Status Code: 200 (OK)
   * Response Body: JSON data of the object with ID 7.



1. **HTTP POST Request**:
   * URL: <https://api.restful-api.dev/objects>
   * Request Data: {"name": "Apple MacBook Pro 16", "data": {"year": 2019,"price": 1849.99,"CPU model": "Intel Core i9","Hard disk size": "1 TB"}}
   * Response Status Code: 200
   * Response Body: JSON data of the created object.



##### **Security Differences Between HTTP and HTTPS**

* **Encryption**:
  + **HTTP**: Data transmitted over HTTP is in plain text, which can be easily intercepted and read by malicious actors.
  + **HTTPS**: Data transmitted over HTTPS is encrypted using SSL/TLS, preventing eavesdropping and ensuring data privacy.
* **Data Integrity**:
  + **HTTP**: Data integrity is not guaranteed. Data can be altered in transit without detection.
  + **HTTPS**: Ensures data integrity by using cryptographic hash functions, making it detectable if data is tampered with during transmission.
* **Authentication**:
  + **HTTP**: Does not provide authentication of the server. Users cannot be sure they are communicating with the intended server.
  + **HTTPS**: Uses SSL/TLS certificates to authenticate the server, ensuring users are connected to the correct server.