Projektowanie bezpiecznych aplikacji

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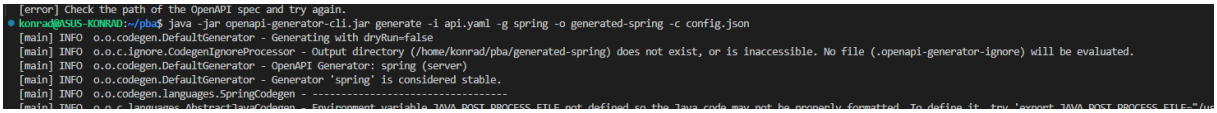
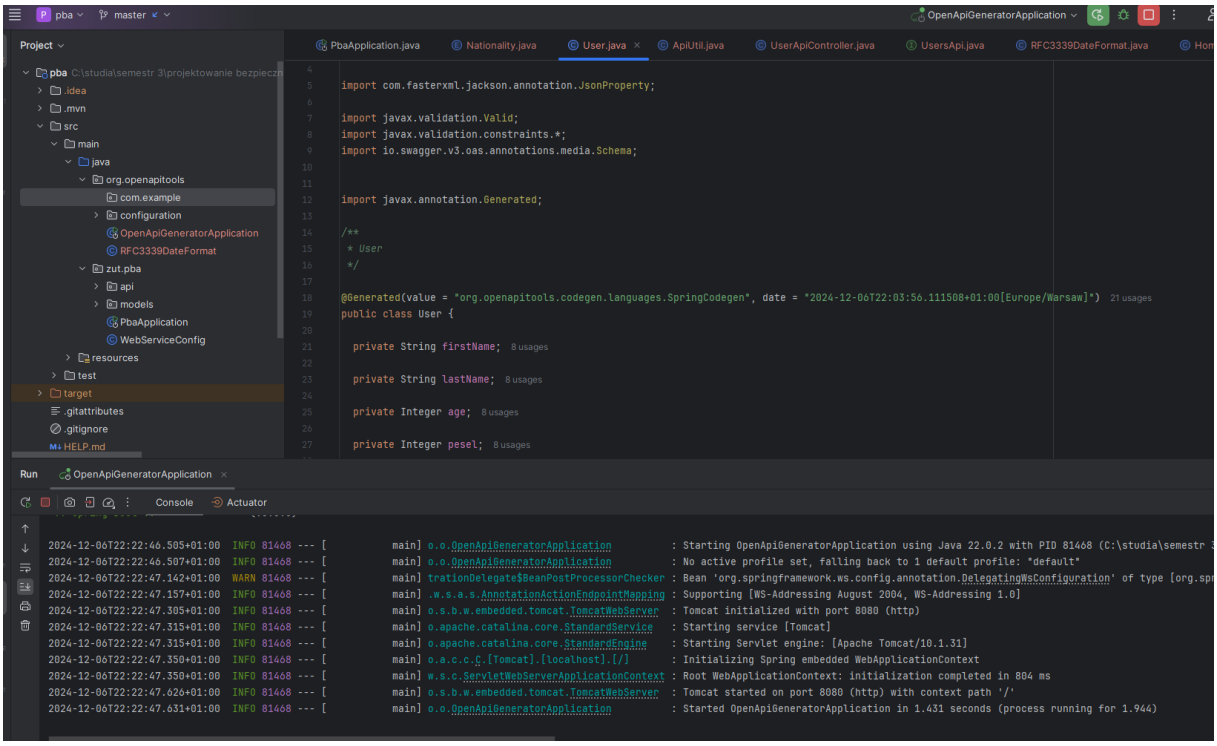
Implementacja – Lab04

Zadanie 1

Wygenerowanie potrzebnych plików na podstawie zawartości pliku api.yaml.



Dodanie plików do projektu i zainstalowanie potrzebnych zależności. Po próbie zbudowania i uruchomienia, operacja zakończyła się sukcesem



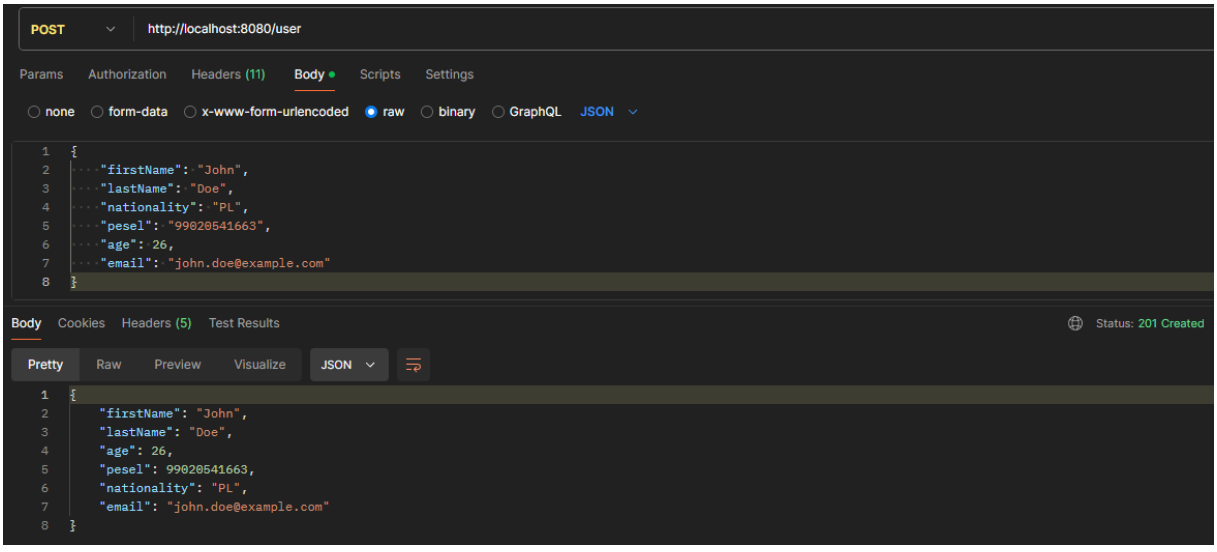
Zadanie 2

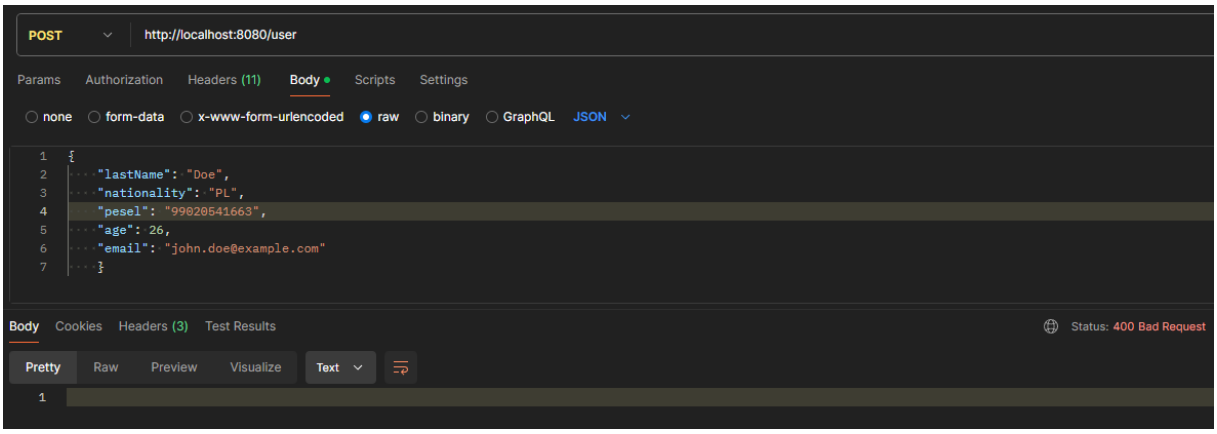
Prosta implementacja UserApiController na podstawie interfejsu

```java
@RequestMapping("${openapi.projektowanieBezpiecznychAplikacjiLab03.base-path:}")
public class UserApiController implements UserApi {

    private final NativeWebRequest request;  2 usages
    private final Map<String, User> userDatabase = new HashMap<>(); // Prosta baza danych w pamięci  6 usages

    @Autowired  Konrad Leśkiewicz
    public UserApiController(NativeWebRequest request) { this.request = request; }

    @Override  3 usages  Konrad Leśkiewicz
    public Optional<NativeWebRequest> getRequest() { return Optional.ofNullable(request); }

    @Override  no usages  new *
    public ResponseEntity<User> createUser(String xRequestID, OffsetDateTime xDate, User user) {
        if (user == null || user.getFirstName() == null) {
            return ResponseEntity.badRequest().build(); // 400 Bad Request
        }
        userDatabase.put(user.getFirstName(), user);
        return ResponseEntity.status(201).body(user); // 201 Created
    }

    @Override  no usages  new *
    public ResponseEntity<Void> deleteUser(String username, String xRequestID, OffsetDateTime xDate) {
        if (!userDatabase.containsKey(username)) {
            return ResponseEntity.notFound().build(); // 404 Not Found
        }
        userDatabase.remove(username);
        return ResponseEntity.noContent().build(); // 204 No Content
    }

    @Override  no usages  new *
```

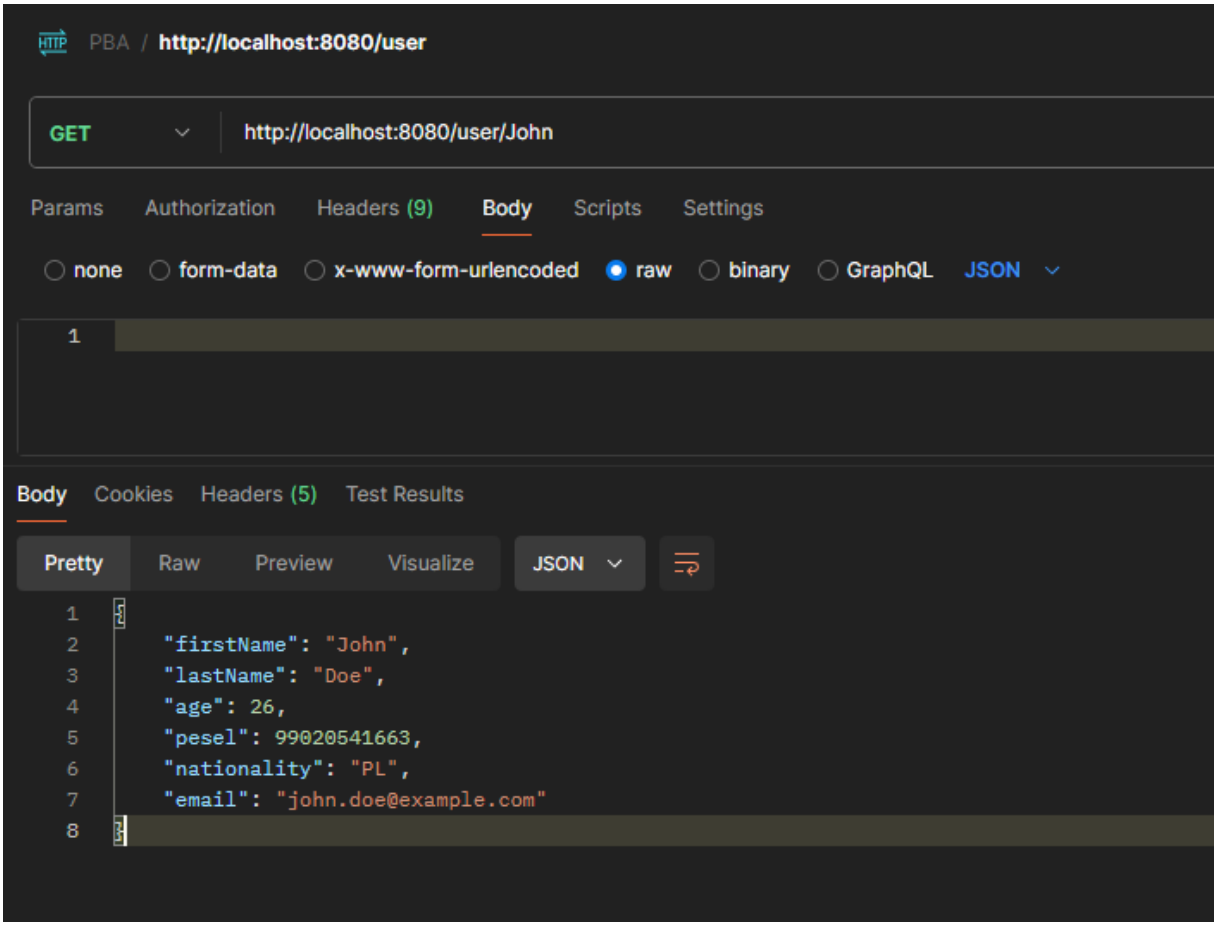
Zadanie 3

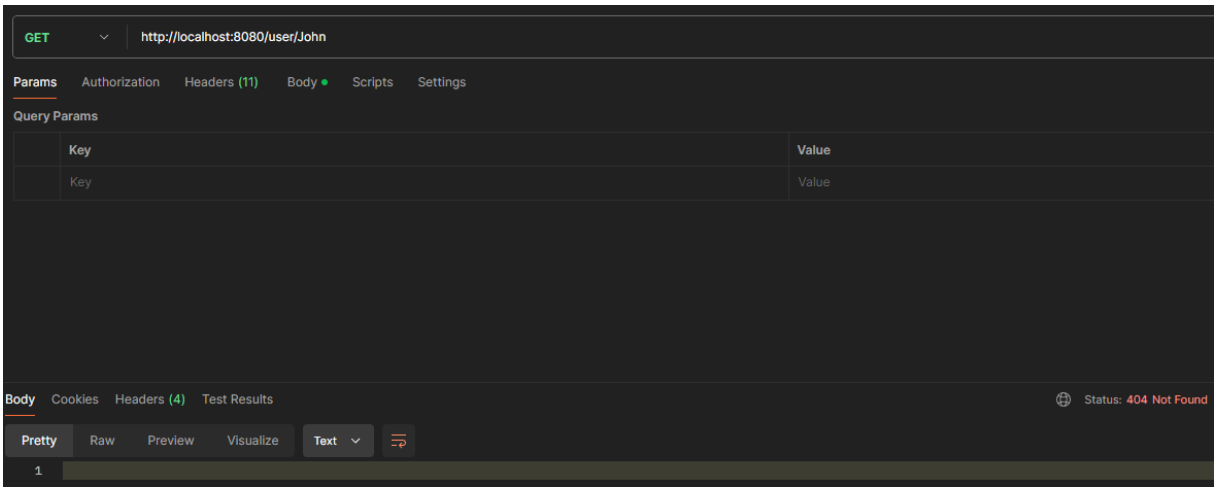
Wykonanie polecenia POST



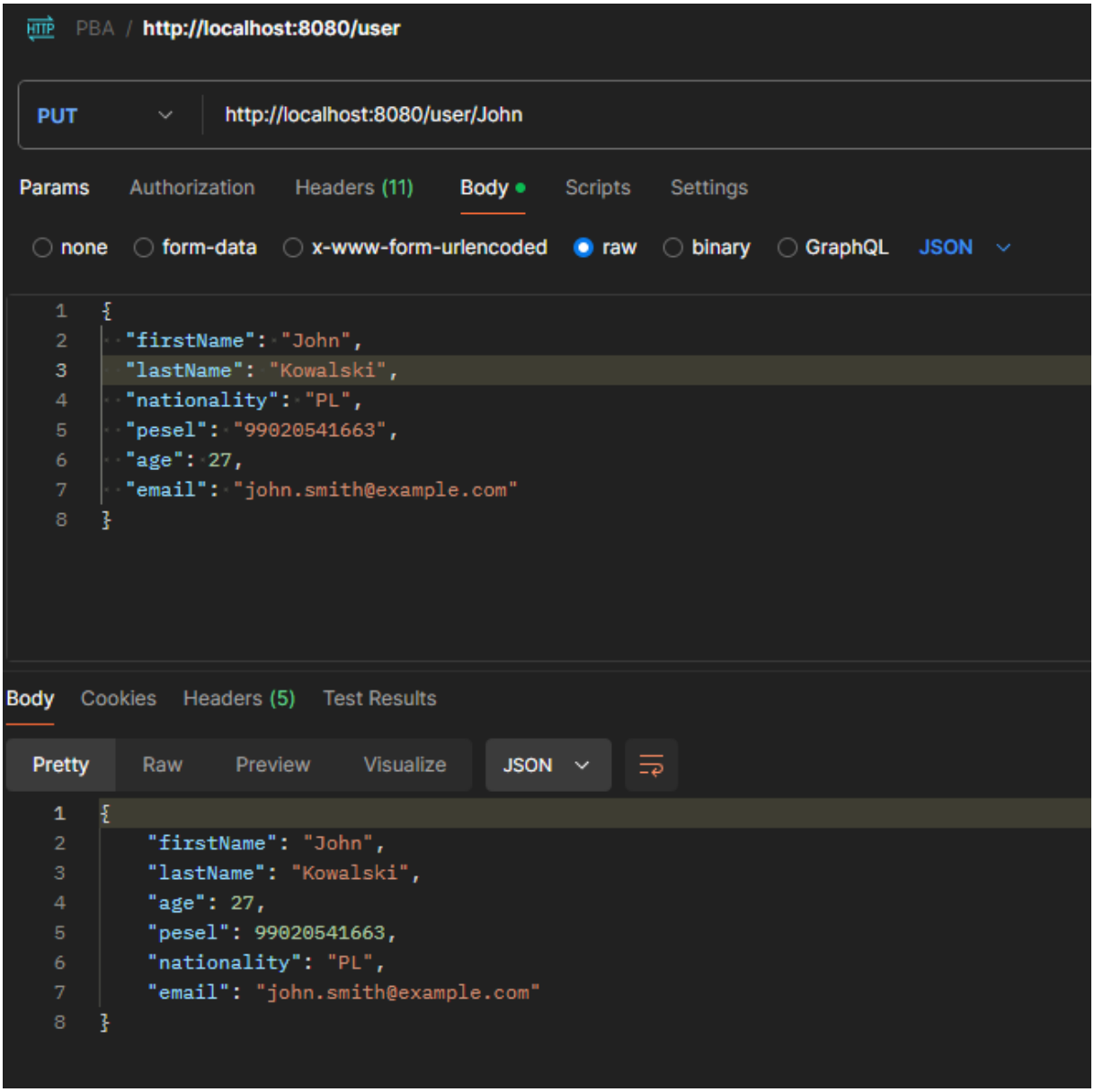


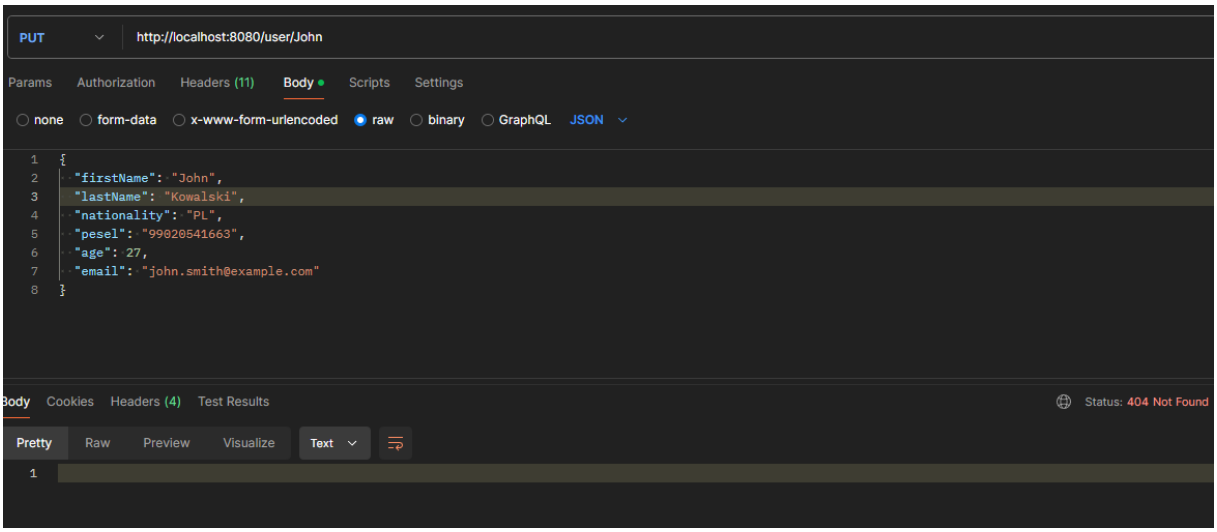
Wykonanie polecenia GET



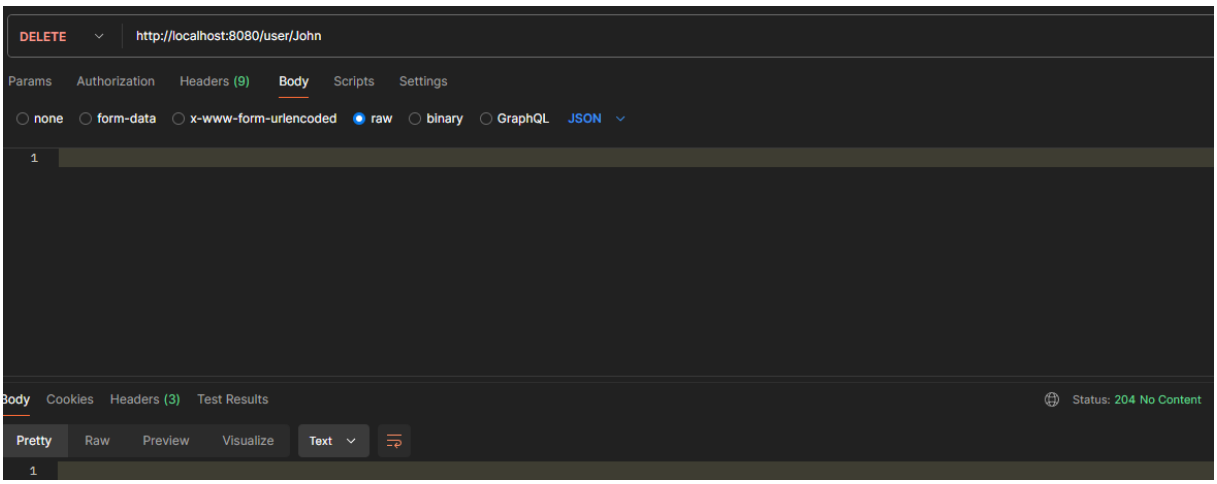


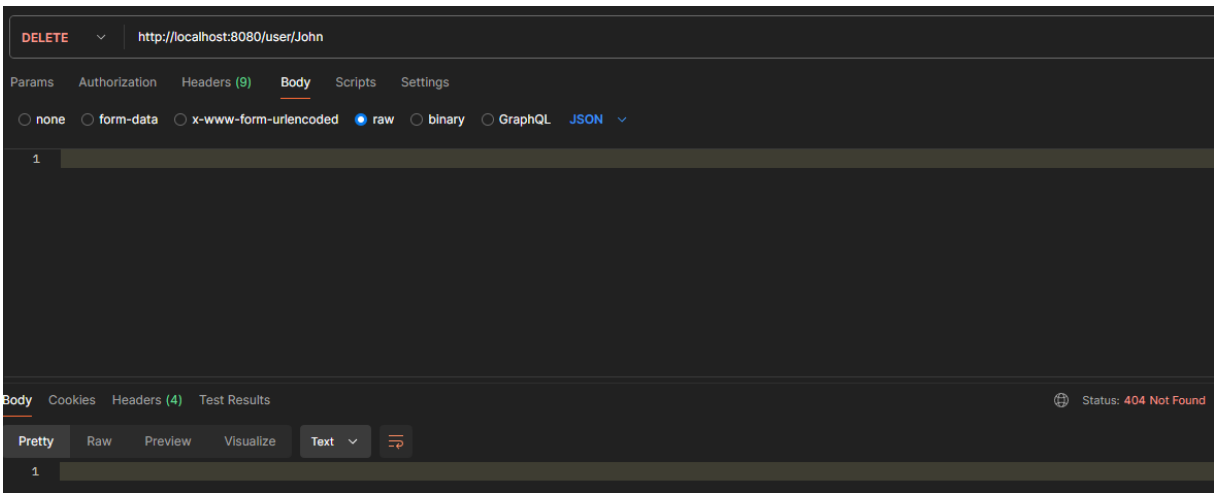
Wykonanie polecenia PUT





Wykonanie polecenia DELETE





Polecenia CURL w osobnym pliku oraz w repozytorium

https://github.com/leskiewicz/projektowanie-bezpiecznych-aplikacji/tree/master/pba

https://github.com/leskiewicz/projektowanie-bezpiecznych-aplikacji/blob/master/pba/lab04-polecenia-curl.txt