

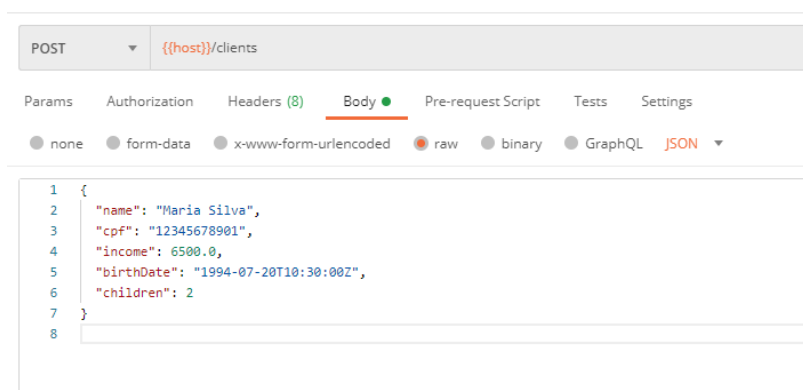
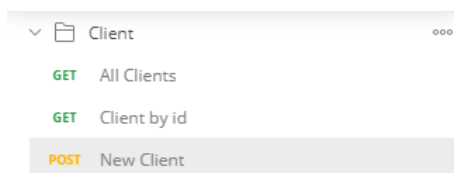
- Now, we will implement the POST method
- In this method, we will insert a new object
- We will create a method that return a 201 response and a message of “resource created” with a URI

```
@PostMapping
public ResponseEntity<ClientDTO> insert(@RequestBody ClientDTO dto){
    dto = service.insert(dto);
    URI uri = ServletUriComponentsBuilder.fromCurrentRequest().path("/{id}")
        .buildAndExpand(dto.getId()).toUri();
    return ResponseEntity.created(uri).body(dto);
}
```

- Lets create the insert service


```
@Transactional
public ClientDTO insert(ClientDTO dto) {
    Client entity = new Client();
    entity.setName(dto.getName());
    entity.setCpf(dto.getCpf());
    entity.setIncome(dto.getIncome());
    entity.setBirthDate(dto.getBirthDate());
    entity.setChildren(dto.getChildren());
    entity = repository.save(entity);
    return new ClientDTO(entity);
}
```

- Now, to test, we have to create a body in JSON Request
- Go in Body, Raw, JSON and elaborate the insert in JSON format









- Give the status 201, so, is everything ok
- If we see the headers, we are able to see the location of the new object

Body Cookies Headers (6) Test Results Status: 201 Created

Pretty Raw Preview Visualize JSON 

```
1 {
2   "id": 4,
3   "name": "Maria Silva",
4   "cpf": "12345678901",
5   "income": 6500.0,
6   "birthDate": "1994-07-20T10:30:00Z",
7   "children": 2
8 }
```

KEY	VALUE
Location 	http://localhost:8080/clients/4
Content-Type 	application/json
Transfer-Encoding 	chunked
Date 	Fri, 15 Jan 2021 02:03:06 GMT
Keep-Alive 	timeout=60
Connection 	keep-alive