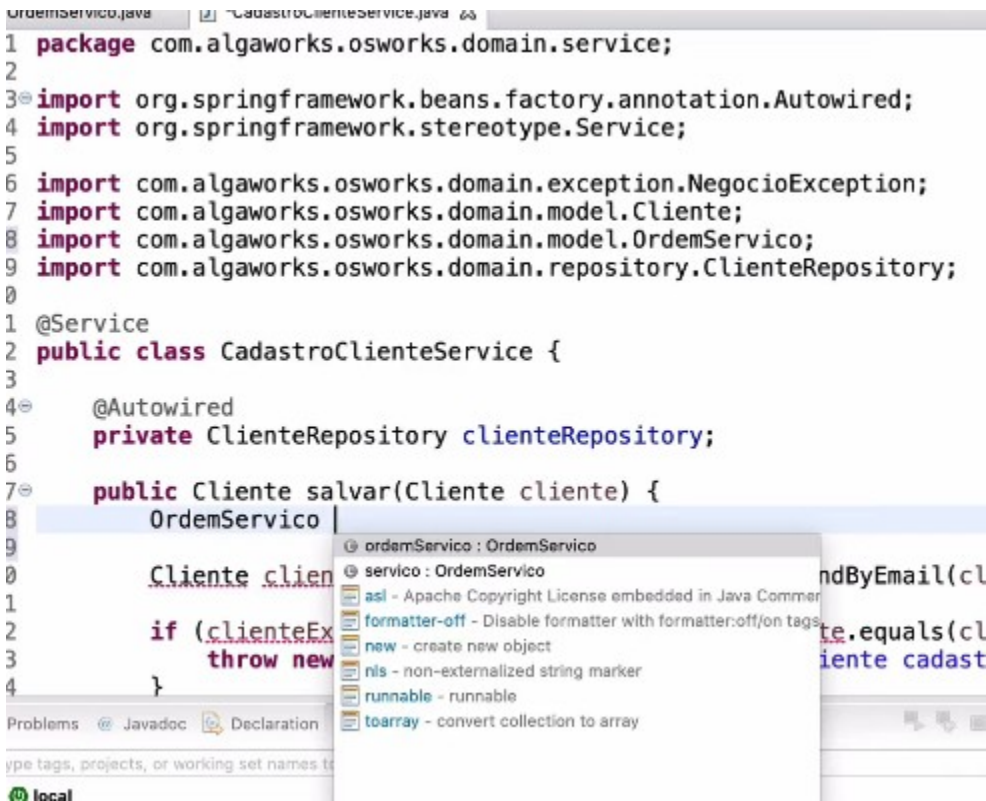
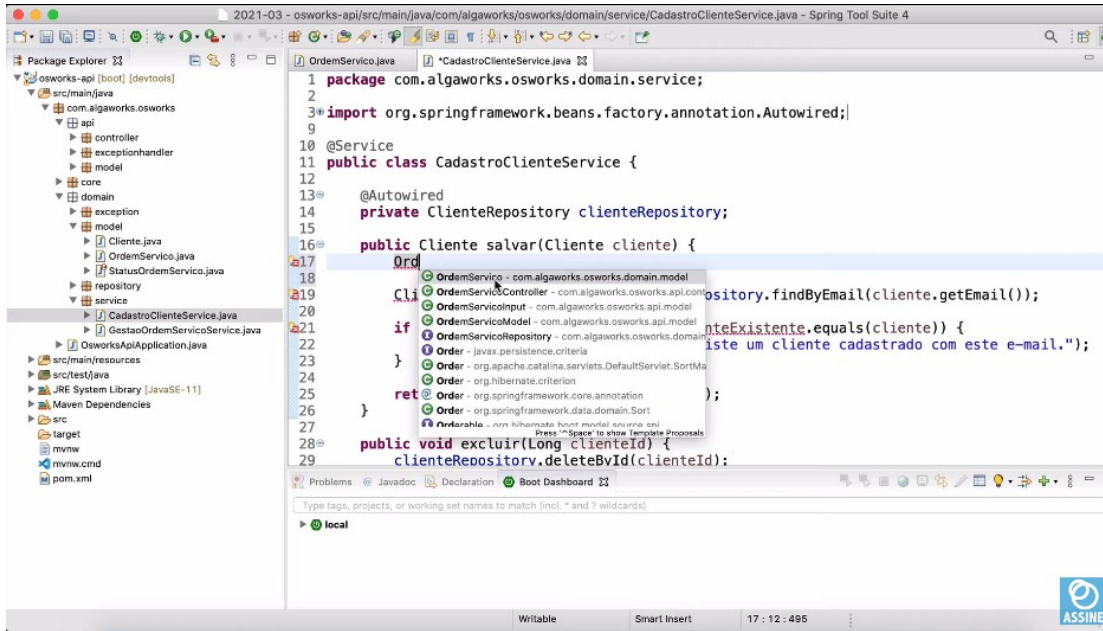
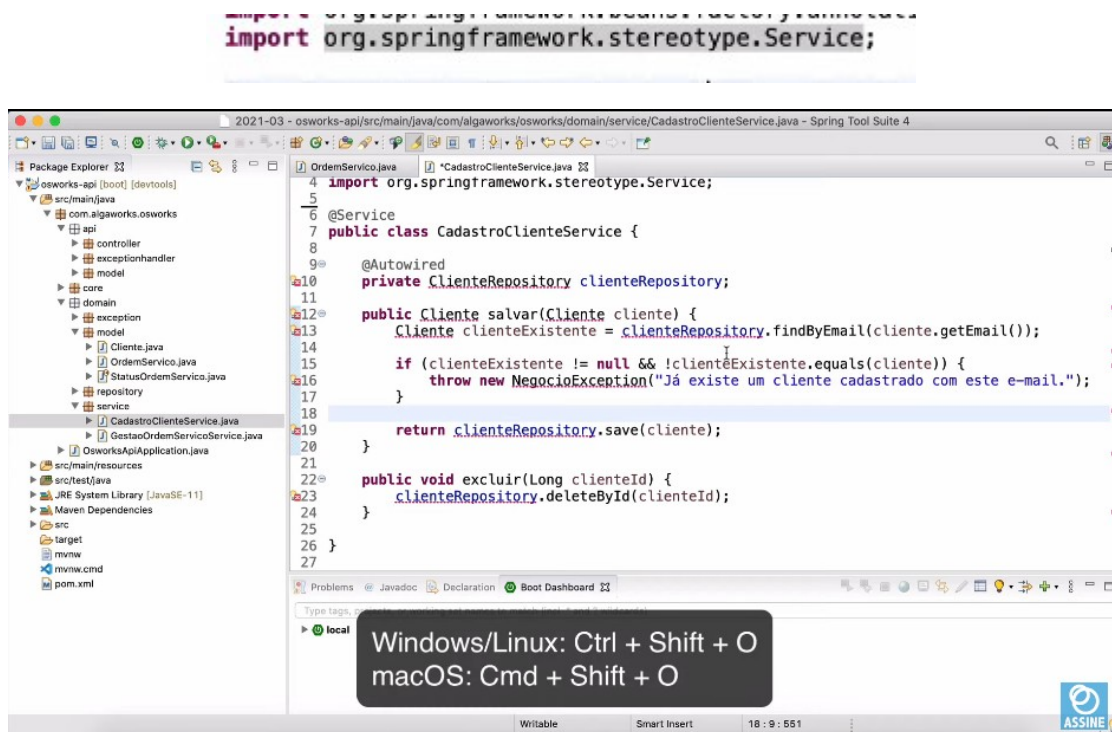


CTRL + ESPAÇO SUGERE CLASSES, INCLUSIVE IMPORTAR E USAR CLASSES

INCLUSIVE SE A VARIÁVEL FOR REPETIDA, ELE INCLUI A NUMERAÇÃO 02 OU 03 E ASSIM SUCESSIVAMENTE AO FIM



ORGANIZAR OS IMPORTS CTRL + SHIFT + O



ELE TAMBÉM ORGANIZA OS IMPORTS (OU SEJA OS IMPORTS NÃO UTILIZADOS)

```
9
10 import com.algaworks.osworks.domain.model.OrderService;
11
```

ATALHOS DE FORMATAÇÃO DE CÓDIGO CTRL + SHIFT + F

```
9
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     public Cliente salvar(Cliente cliente){
17         Cliente clienteExistente
18             = clienteRepository.findByEmail(cliente.getEmail());
19
20         if (clienteExistente != null &&
21             !clienteExistente.equals(cliente))
22         {
23             throw new NegocioException("Já existe um cliente cadastrado com este e-mail.");
24         }
25         return clienteRepository.save(cliente);
26     }
27
28     public void excluir(Long clienteId) {
29         clienteRepository.deleteById(clienteId);
30     }
31
32 }
```

Windows/Linux: Ctrl + Shift + F
macOS: Cmd + Shift + F

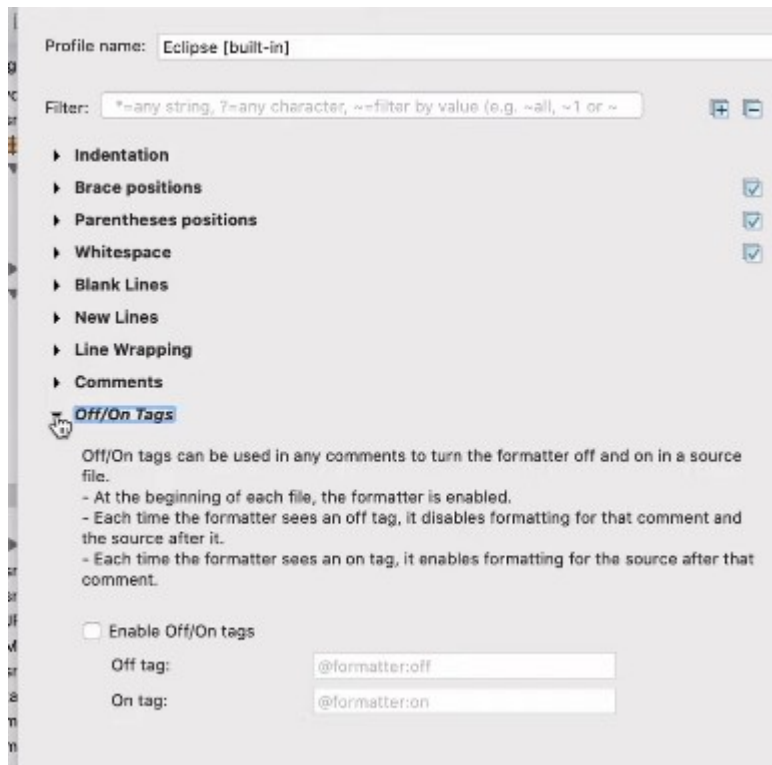
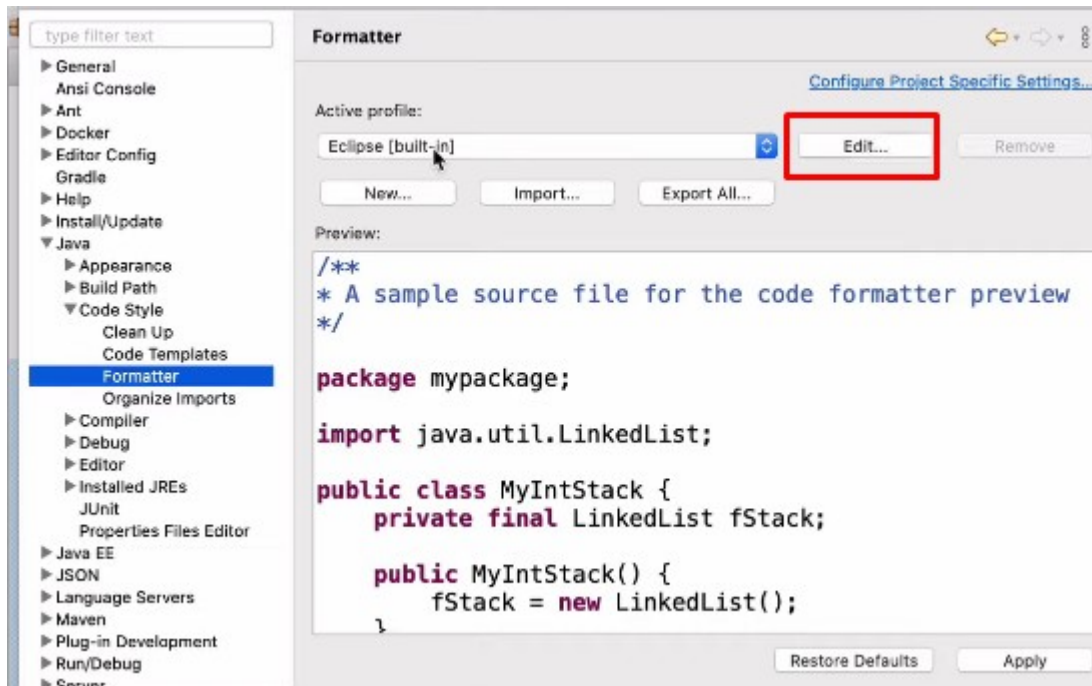
```
8 import com.algaworks.osworks.domain.repository.ClienteRepository;
9
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     public Cliente salvar(Cliente cliente) {
17         Cliente clienteExistente = clienteRepository
18             .findByEmail(cliente.getEmail());
19
20         if (clienteExistente != null && !clienteExistente.equals(cliente)) {
21             throw new NegocioException("Já existe um cliente cadastrado com este e-mail.");
22         }
23
24         return clienteRepository.save(cliente);
25     }
26
27     public void excluir(Long clienteId) {
28         clienteRepository.deleteById(clienteId);
29     }
30
31 }
```

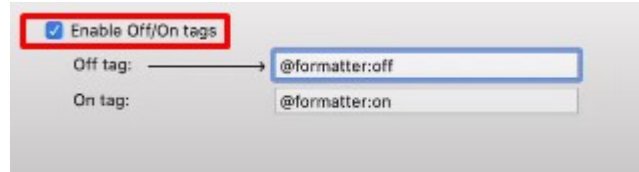
PARA DESABILITAR FORMATAÇÃO @FORMATTER:OFF

```
// @formatter:off
```

```
// @formatter:on
```

PREFERÊNCIAS ---> JAVA ---> CODE STYLE ----> FORMATTER --- EDIT

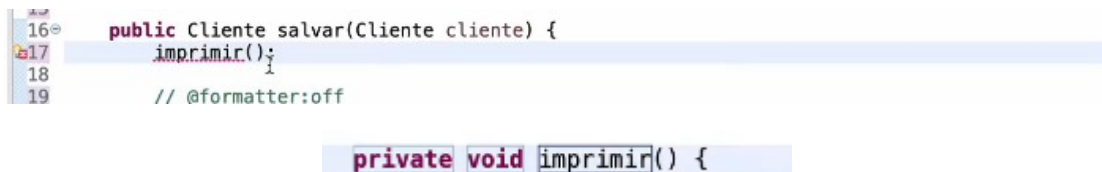




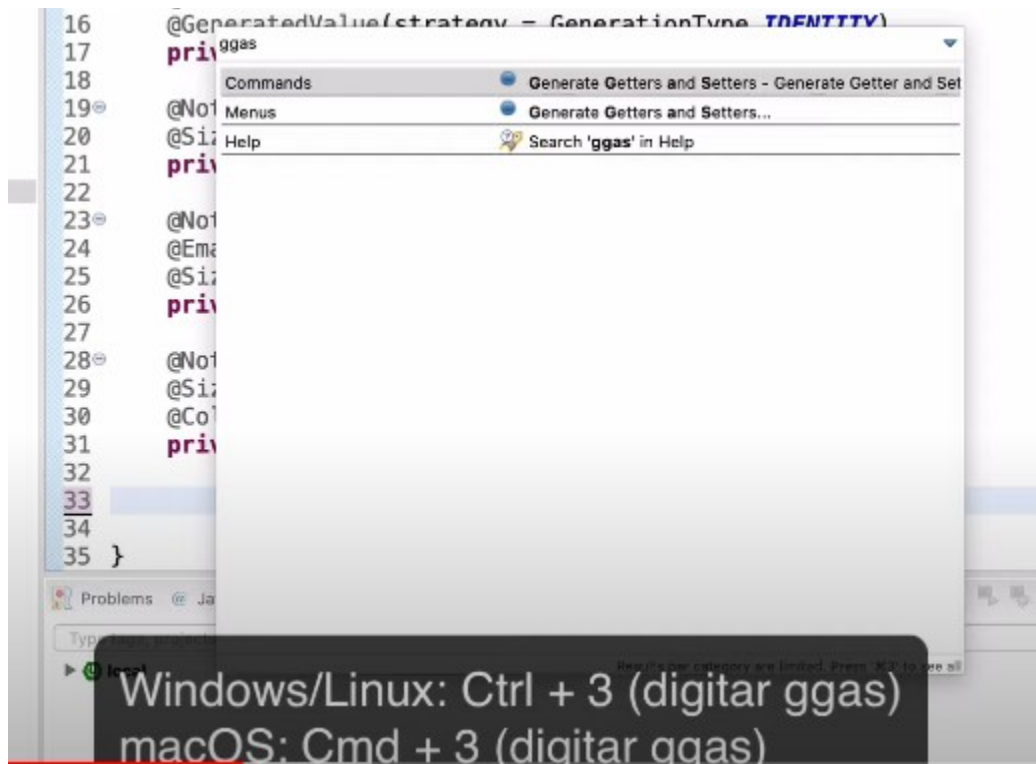
CRIAR NOVO PERFIL --- SUBSTITUIR O BUILT-IN



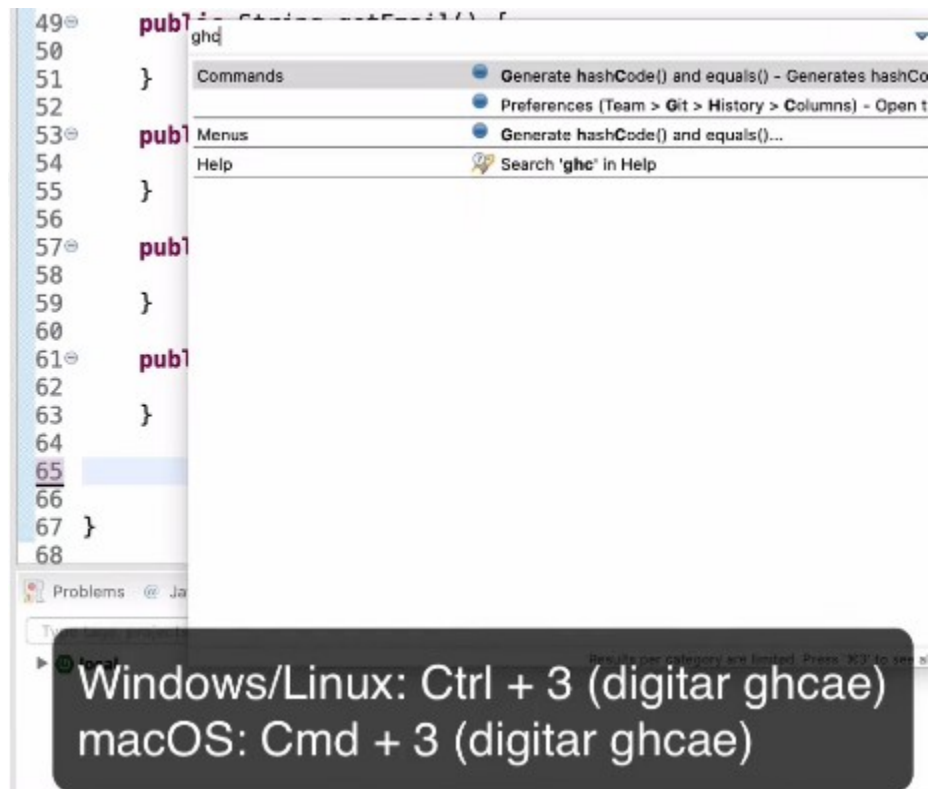
QUICK FIX ----> CTRL + 1 ----> O MÉTODO NÃO EXISTE É CRIADO UM MÉTODO PRIVADO CHAMADO IMPRIMIR ---> SERVE PARA QUALQUER AVISO. -----> SUGESTÕES



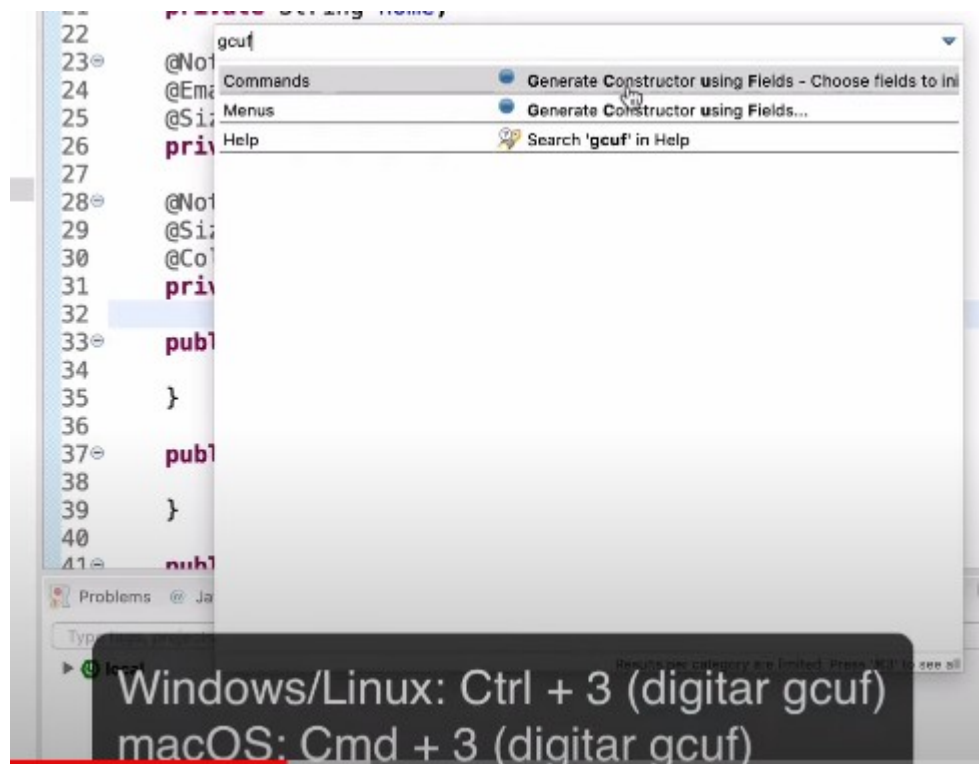
CÓDIGO BLOID PLATTERS ----> CTRL + 3 ----> GERAR METODOS GETTERS E SETTERS ----> GGAS (GENERATE GETTERS AND SETTERS)

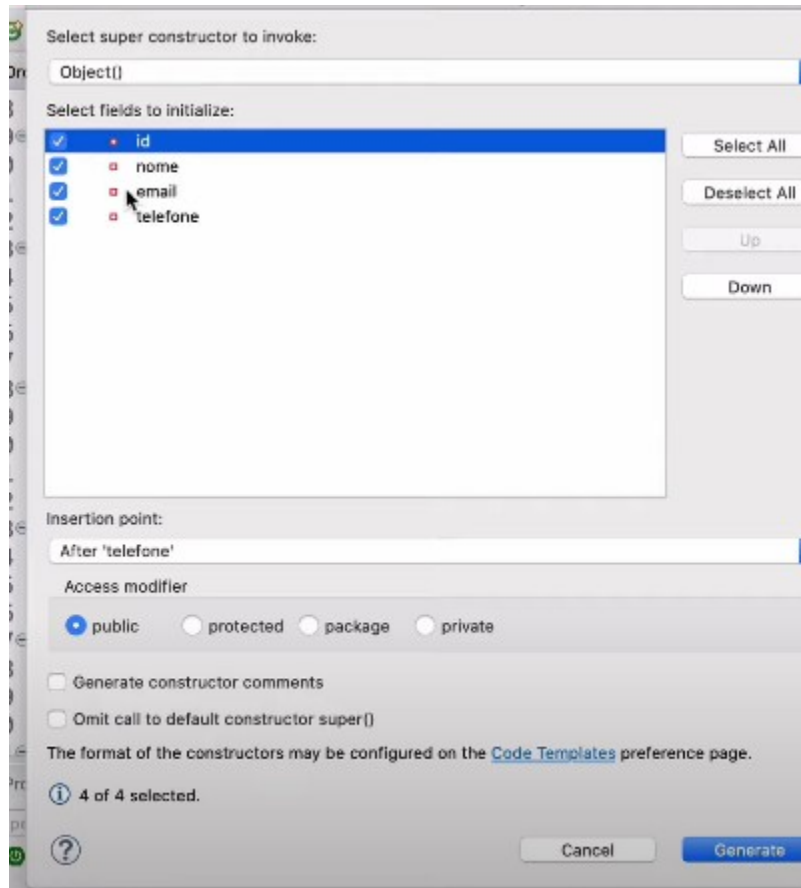


GENERATE HASH CODE AND EQUALS ----> ghcae

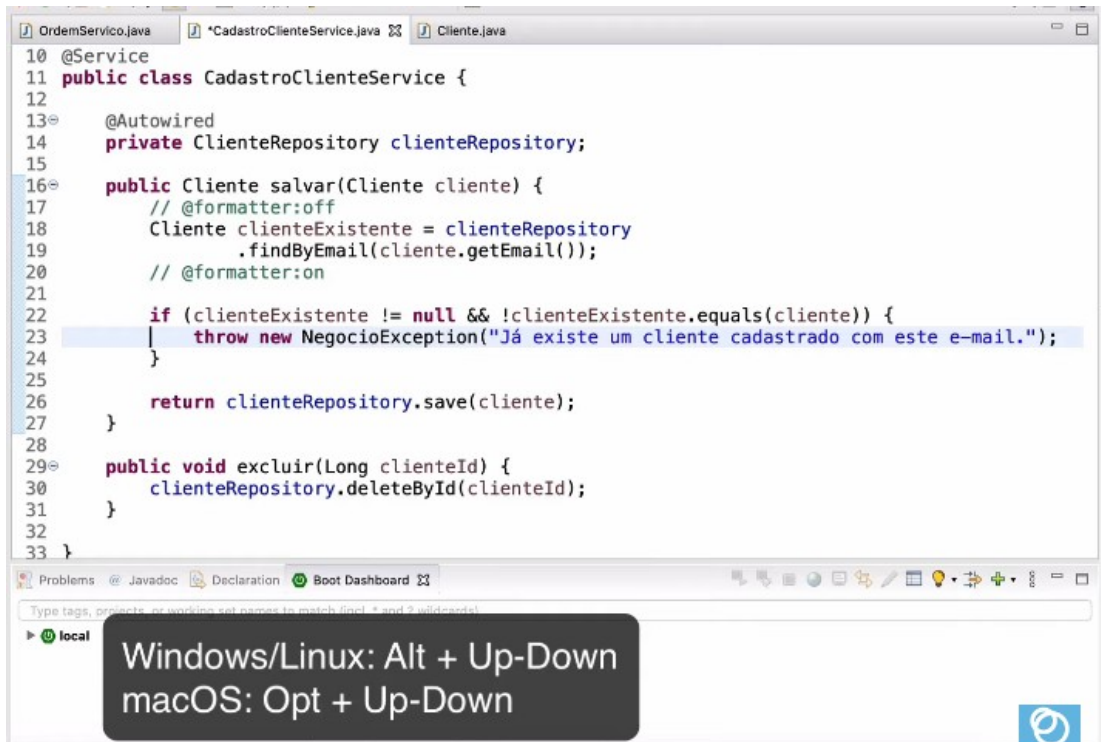


GENERATE CONSTRUCTOR USING FIELDS ----> gcuf





MODIFICAR A LOCALIDADE DAS LINHAS



DUPLICAR AS LINHAS

```
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     public Cliente salvar(Cliente cliente) {
17         // @formatter:off
18         Cliente clienteExistente = clienteRepository
19             .findByEmail(cliente.getEmail());
20         // @formatter:on
21
22         if (clienteExistente != null && !clienteExistente.equals(cliente)) {
23             throw new NegocioException("Já existe um cliente cadastrado com este e-mail.");
24         }
25
26         return clienteRepository.save(cliente);
27     }
28
29     public void excluir(Long clienteId) {
30         clienteRepository.deleteById(clienteId);
31     }
32 }
33 }
```

Windows/Linux: Ctrl + Alt + Up-Down
macOS: Cmd + Opt + Up-Down

Refatoração ---> modificação para os códigos continuar funcionando ---> alt+ shift + r

```
9
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     public Cliente salvar(Cliente cliente) {
17         // @formatter:off
18         Cliente clienteExistente = clienteRepository
19             .findByEmail(cliente.getEmail());
20         // @formatter:on
21
22         if (clienteExistente != null && !clienteExistente.equals(cliente)) {
23             throw new NegocioException("Já existe um cliente cadastrado com este e-mail.");
24         }
25
26         return clienteRepository.save(cliente);
27     }
28
29     public void excluir(Long clienteId) {
30         clienteRepository.deleteById(clienteId);
31     }
32 }
```

Windows/Linux: Alt + Shift + R
macOS: Cmd + Opt + R

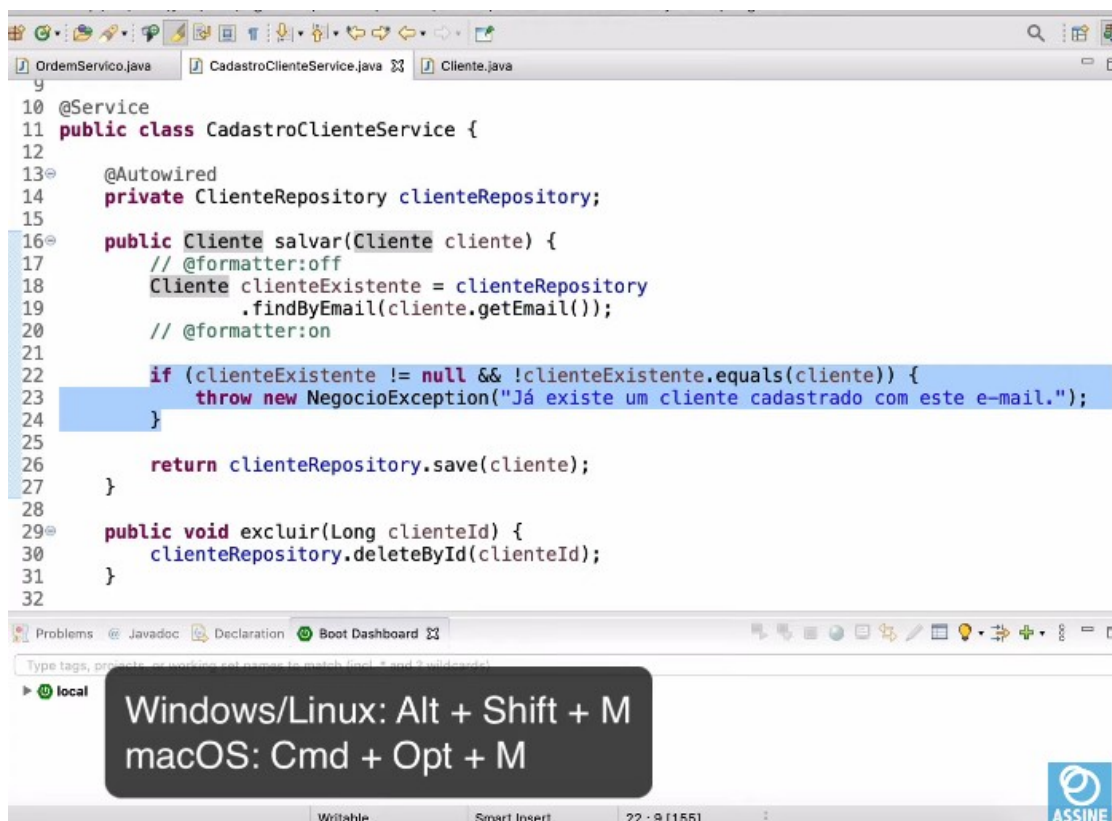
alterou o nome da classe para consumidor

Consumidor.java

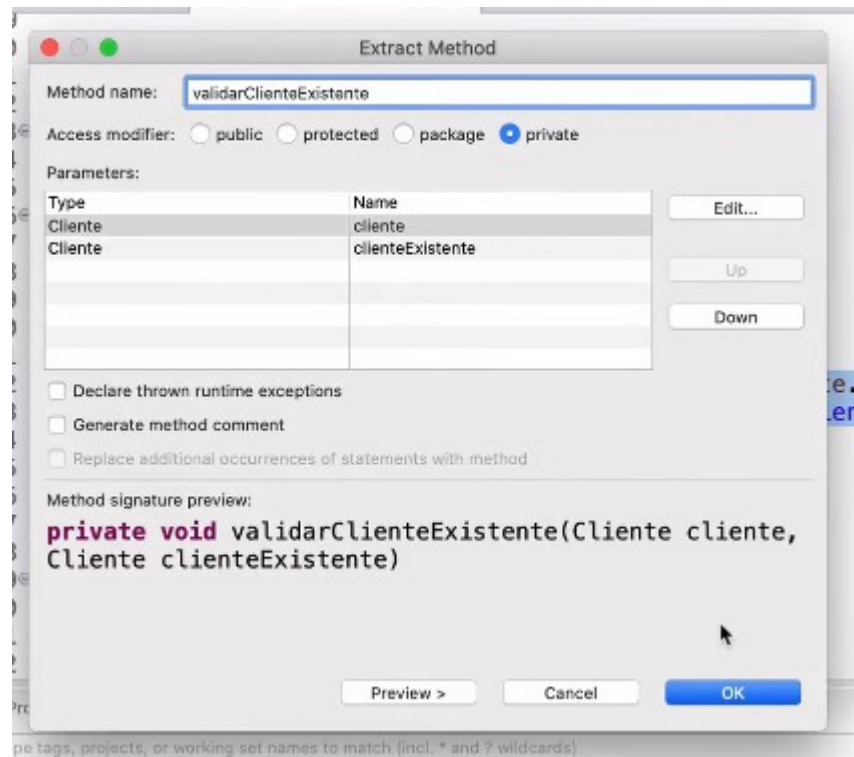
```
public Consumidor salvar(Consumidor cliente) {  
    // @formatter:off  
    Consumidor clienteExistente = clienteRepository  
        .findByEmail(cliente.getEmail());  
    // @formatter:on  
}
```

extrair o if e colocar no método a parte ----> ctrl + shift + M

caso precise de algum trecho de código



Validar cliente existente



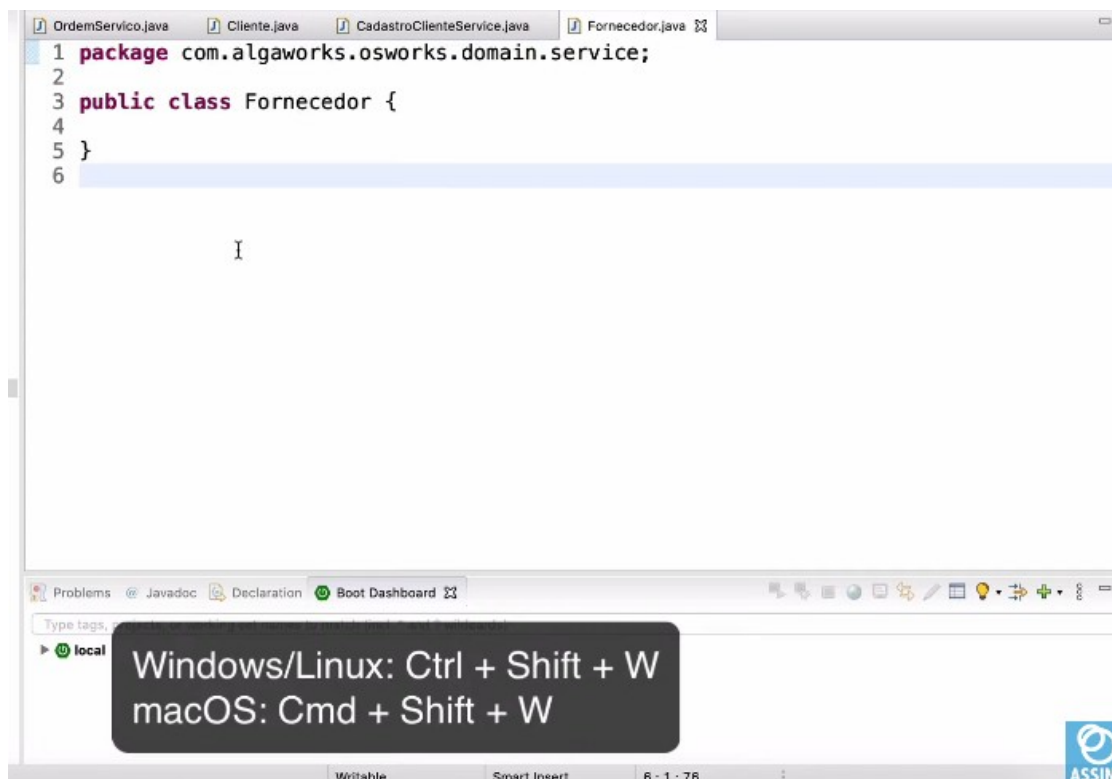
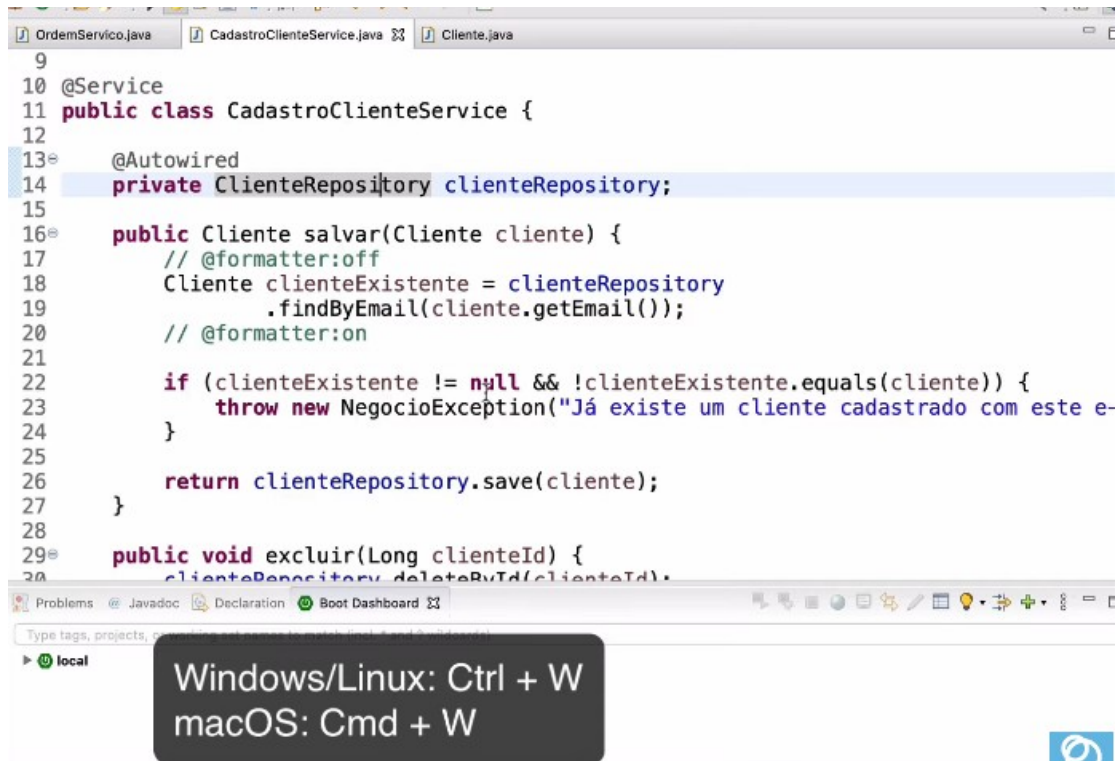
EXPANDIR A VIEW

```
3 import org.springframework.beans.factory.annotation.Autowired;
4 import org.springframework.stereotype.Service;
5
6 import com.algaworks.osworks.domain.exception.NegocioException;
7 import com.algaworks.osworks.domain.model.Cliente;
8 import com.algaworks.osworks.domain.repository.ClienteRepository;
9
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     public Cliente salvar(Cliente cliente) {
17         // @formatter:off
18         Cliente clienteExistente = clienteRepository
19             .findByEmail(cliente.getEmail());
20         // @formatter:on
21
22         if (clienteExistente != null && !clienteExistente.equals(cliente)) {
23             throw new NegocioException("Já existe um cliente cadastrado com este e-mail.");
24         }
25
26         return clienteRepository.save(cliente);
27     }
28
29     public void excluir(Long clienteId) {
30         clienteRepository.deleteById(clienteId);
31     }
32 }
33
34
```

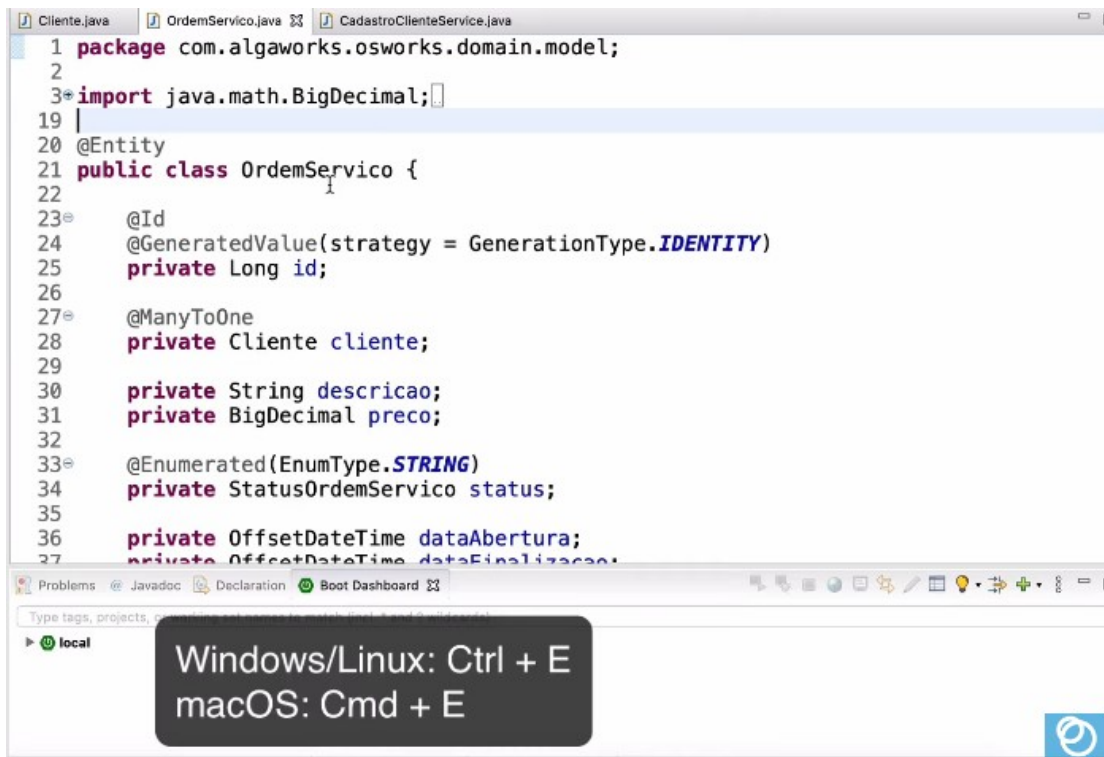
Windows/Linux: Ctrl + M
macOS: Ctrl + M

FECHAR

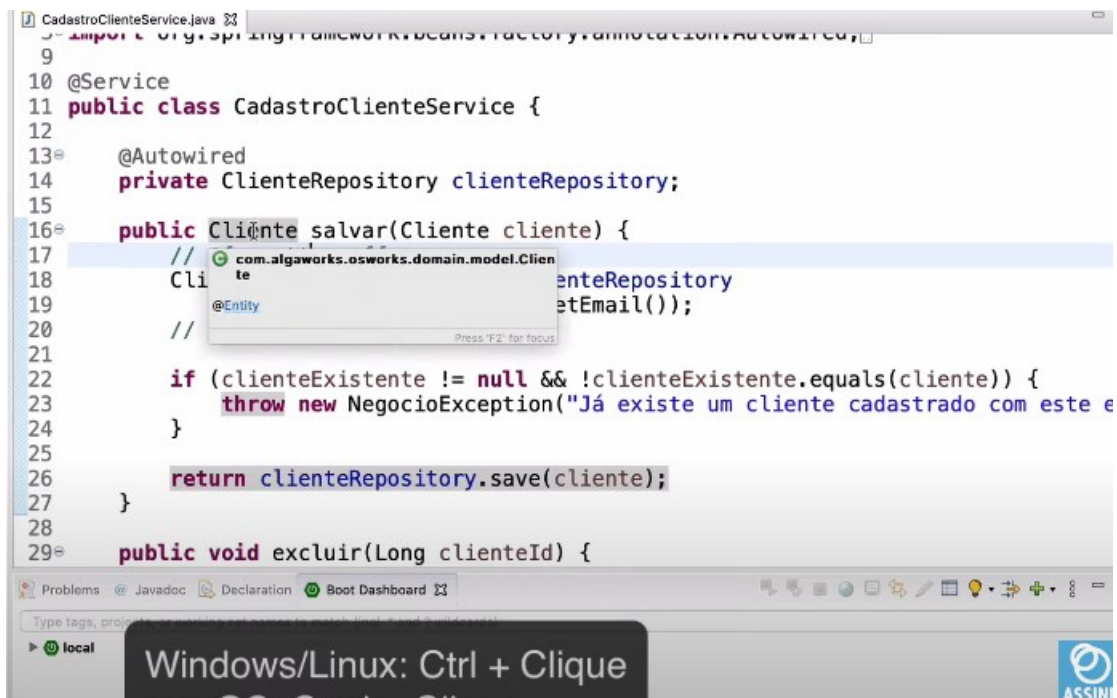
ABA EM ESPECÍFICO CTRL + W OU CTRL + SHIFT + W FECHA TODAS AS ABAS:



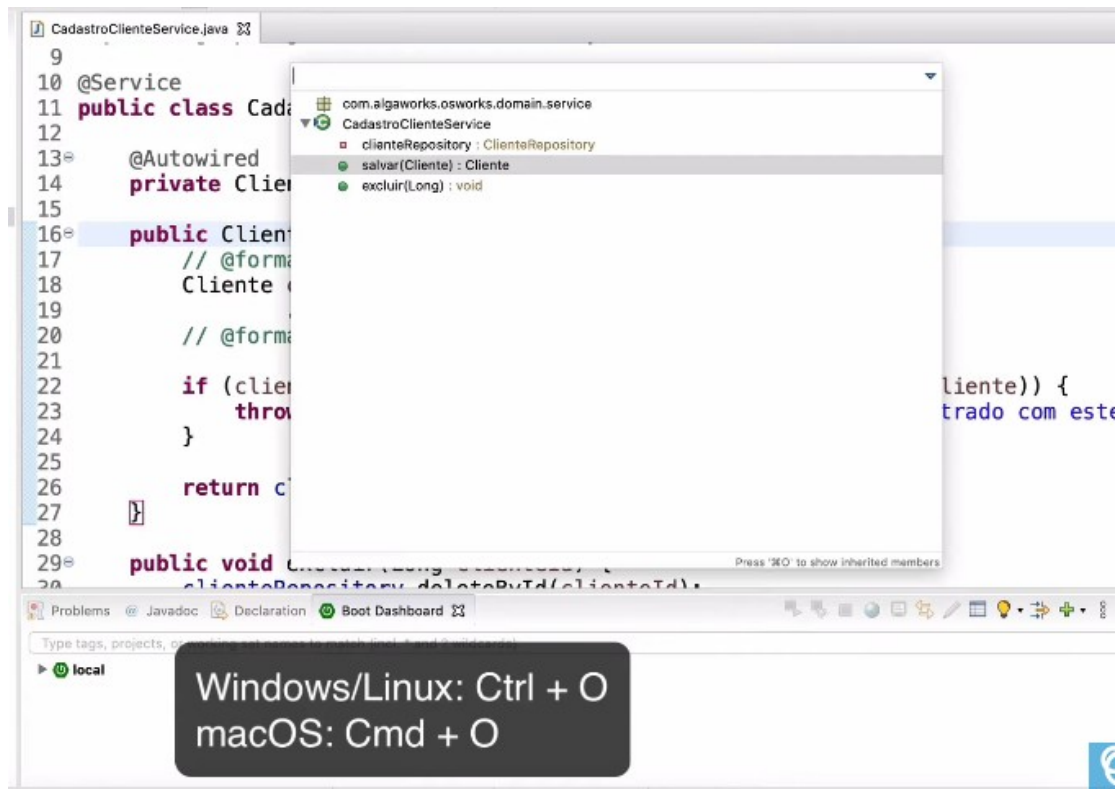
NAVEGA ENTRE AS ABAS CTRL + E :

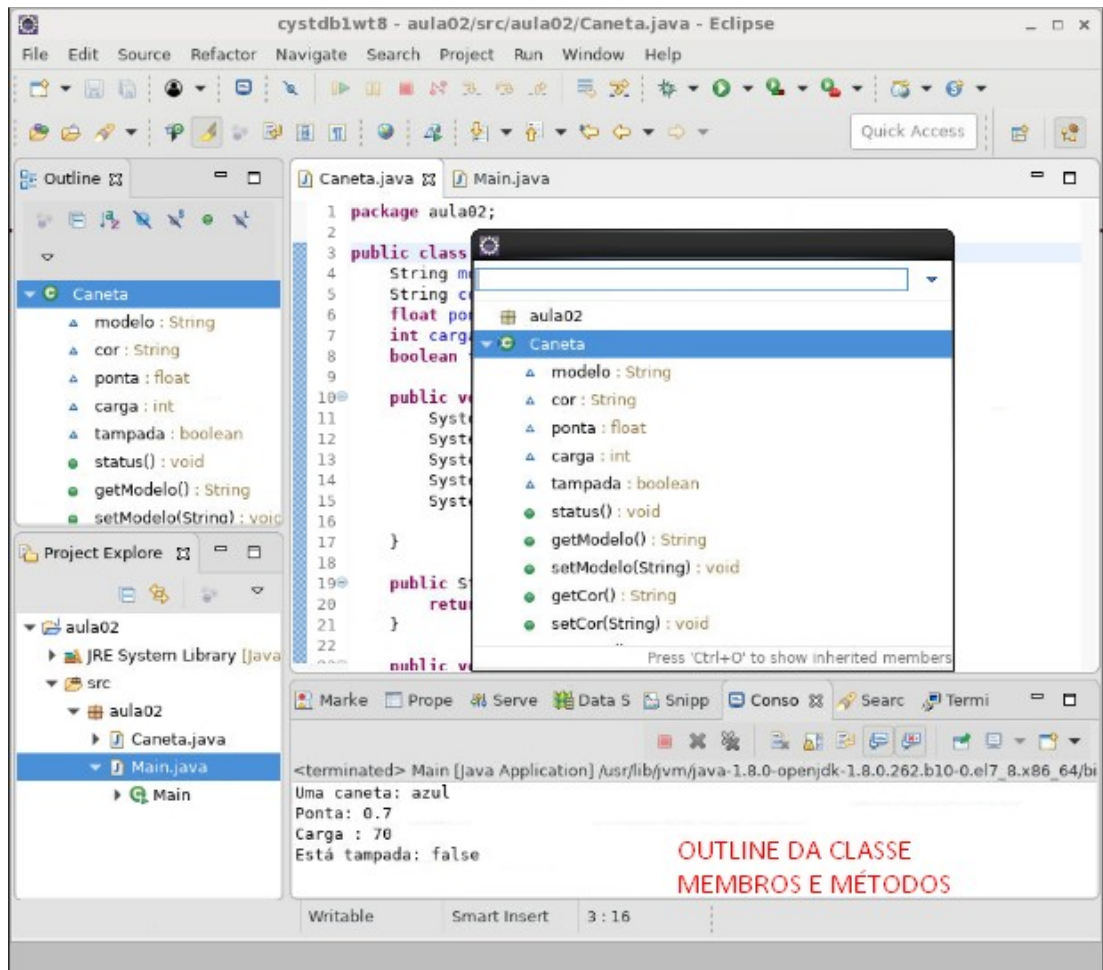


TECLA CTRL ACESSA A DECLARAÇÃO DA CLASSE

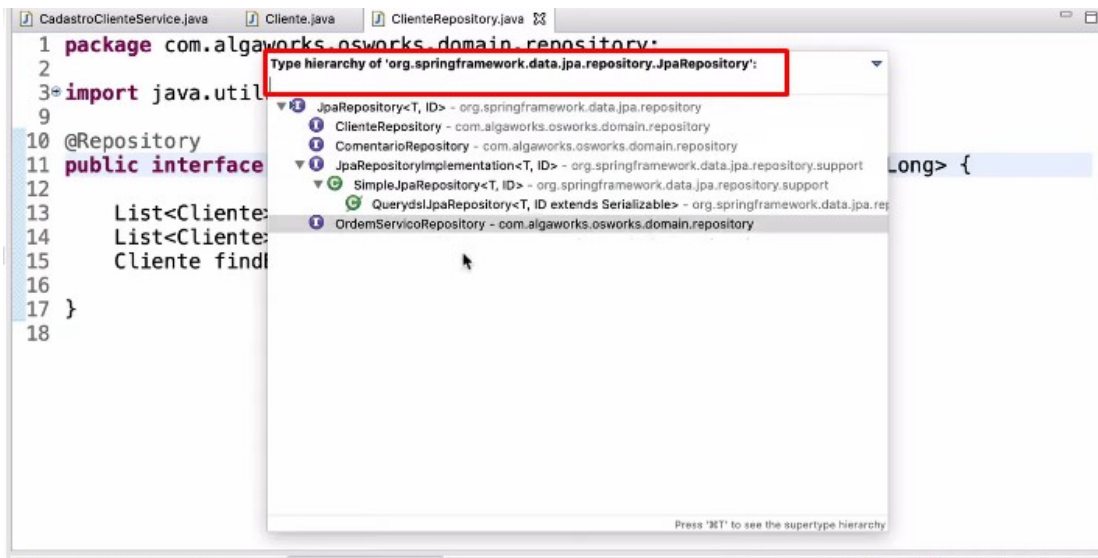
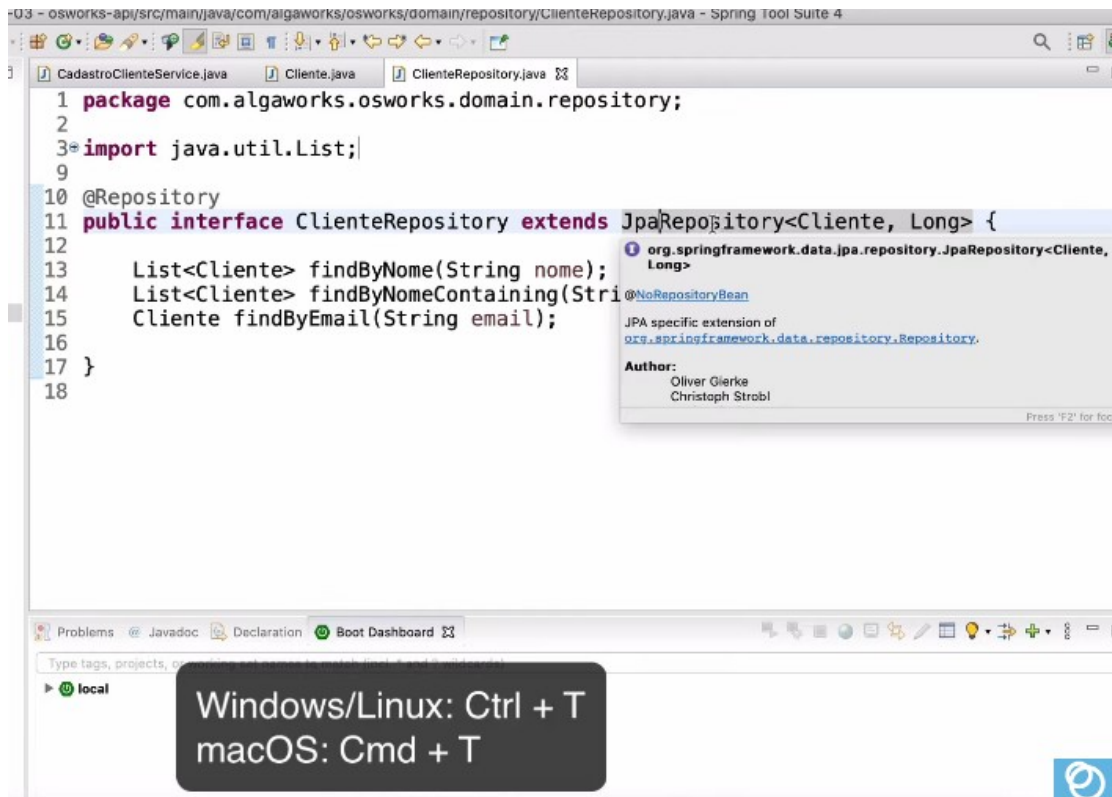


CTRL + O ACESSA TODA A ESTRUTURA DA CLASSE

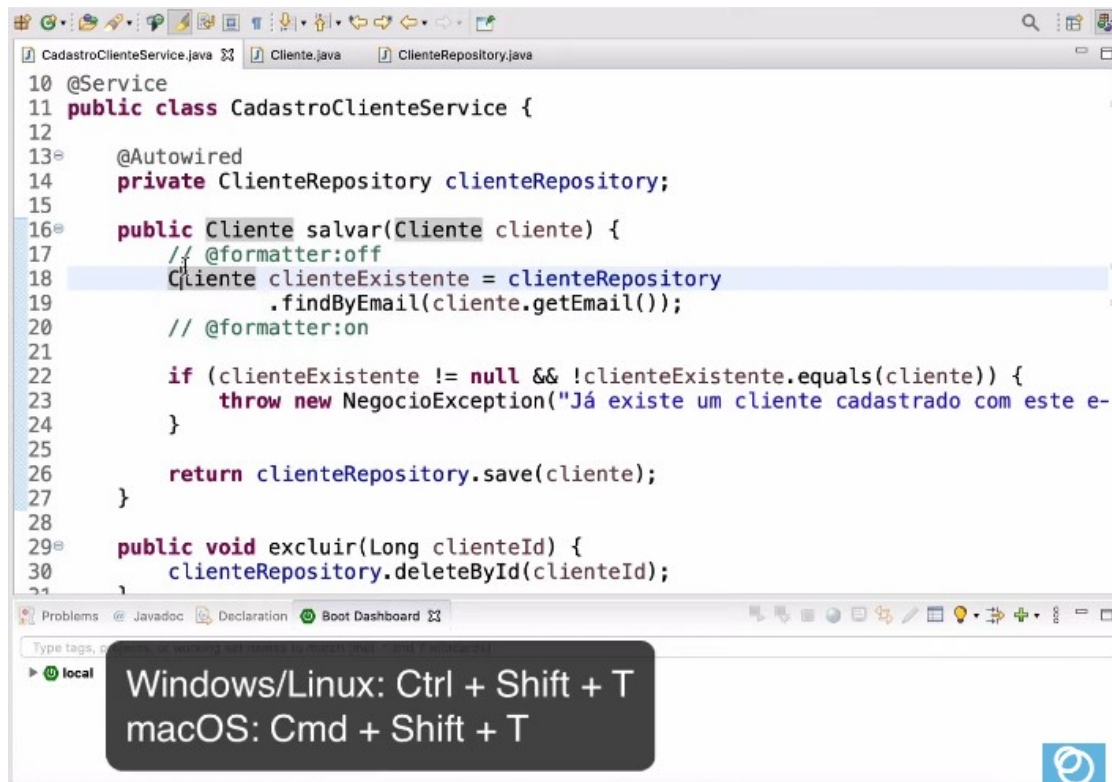




CTRL + T MOSTRA A HIERARQUIA ---> ENTENDER A DETERMINADA ESTRUTURA DA CLASSE OU UMA INTERFACE----> INSTÂNCIA DE JPA REPOSITORY

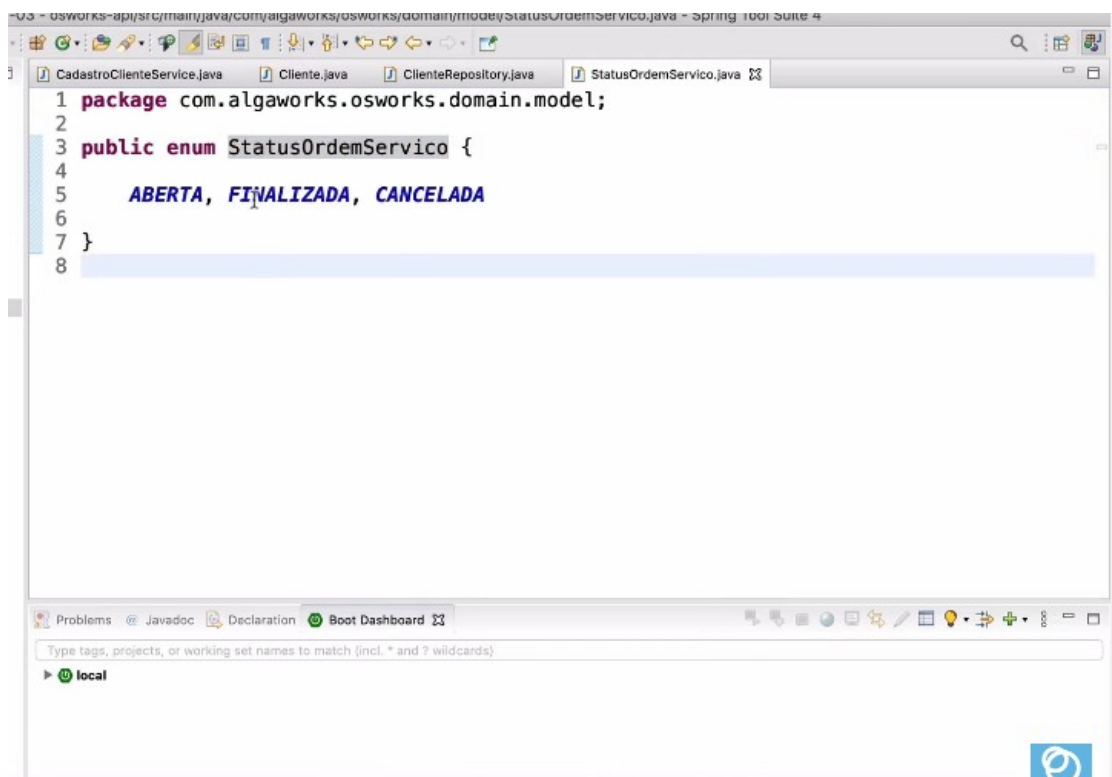


LOCALIZAR UMA CLASSE NO WORKSPACE CTRL + SHIFT + T



```
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     public Cliente salvar(Cliente cliente) {
17         // @formatter:off
18         Cliente clienteExistente = clienteRepository
19             .findByEmail(cliente.getEmail());
20         // @formatter:on
21
22         if (clienteExistente != null && !clienteExistente.equals(cliente)) {
23             throw new NegocioException("Já existe um cliente cadastrado com este e-
24         }
25
26         return clienteRepository.save(cliente);
27     }
28
29     public void excluir(Long clienteId) {
30         clienteRepository.deleteById(clienteId);
31     }
32 }
```

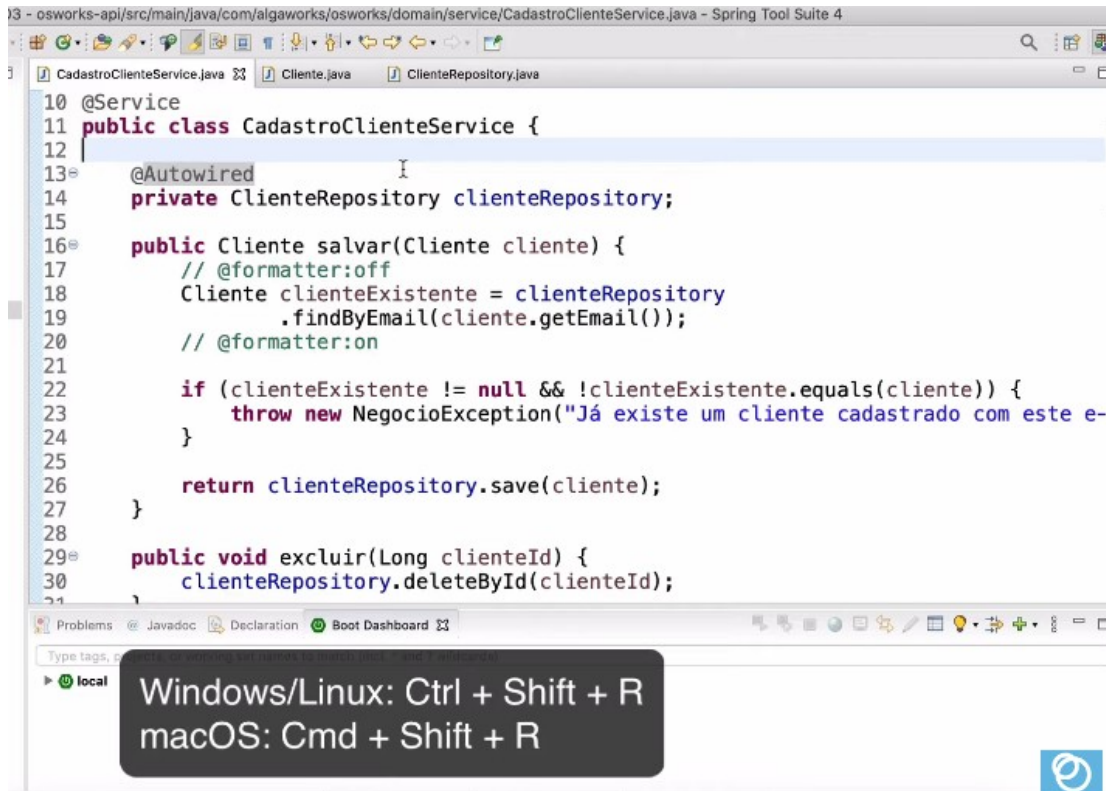
Windows/Linux: Ctrl + Shift + T
macOS: Cmd + Shift + T



```
1 package com.algaworks.osworks.domain.model;
2
3 public enum StatusOrdemServico {
4
5     ABERTA, FINALIZADA, CANCELADA
6
7 }
8
```

CTRL + SHIFT + R (OPEN RESOURCE):

PODE PROCURAR ARQUIVOS TIPO APPLICATION.PROPERTIES



CTRL + . OU CTRL + , (NAVEGA ENTRE OS WARNING E ERROS)

```
16 private ClienteRepository clienteRepository2;
17
18 public Cliente salvar(Cliente cliente) {
19     // @formatter:off
20     Cliente clienteExistente = clienteRepository
21         .findByEmail(cliente.getEmail());
22     // @formatter:on
23
24     if (clienteExistente != null && !clienteExistente.equals(cliente)) {
25         throw new NegocioException("Já existe um cliente cadastrado com este e-
26     }
27
28     Cliente cliente2 = null;
29
30     return clienteRepository.save(cliente);
31 }
32
33 public void excluir(Long clienteId) {
34     Long id = 2L;
35     clienteRepository.deleteById(clienteId);
36 }
37
```

Windows/Linux: Ctrl + ,
macOS: Cmd + Shift + .

```
2
3 import org.springframework.beans.factory.annotation.Autowired;
9
10 @Service
11 public class CadastroClienteService {
12
13     @Autowired
14     private ClienteRepository clienteRepository;
15
16     private ClienteRepository clienteRepository2;
17
18     public Cliente salvar(Cliente cliente) {
19         // @formatter:off
20         Cliente clienteExistente = clienteRepository
21             .findByEmail(cliente.getEmail());
22         // @formatter:on
23
24         if (clienteExistente != null && !clienteExistente.equals(cliente)) {
25             throw new NegocioException("Já existe um cliente cadastrado com este e-
26         }
27
28         Cliente cliente2 = null;

```

Windows/Linux: Ctrl + .
macOS: Cmd + .

CTRL N CRIA UMA NOVA COISA -- CLASSE --- ARQUIVO OU PROJETO

