

# 08144 – PARADIGMAS DE PROGRAMAÇÃO B

## AULA 03 – LABORATÓRIO I

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2020

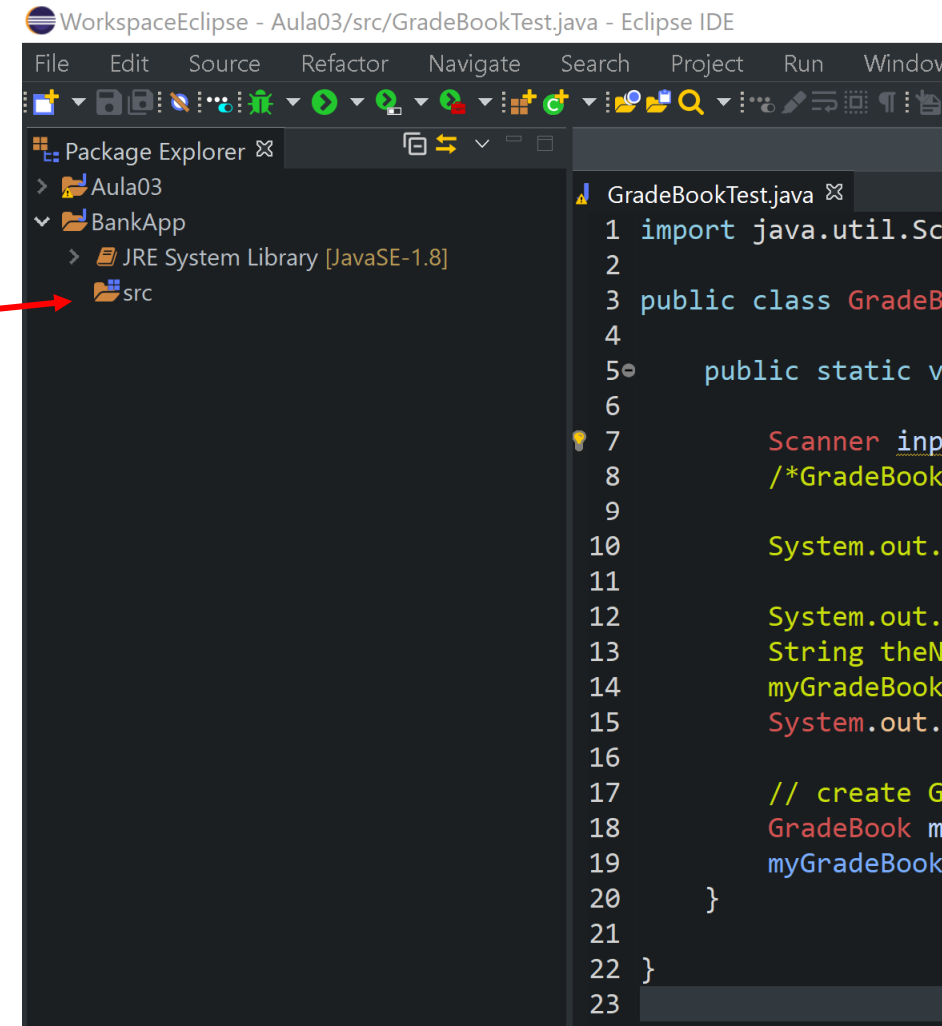
# CLASSES E OBJETOS

# CRIAÇÃO DE UM PROJETO

- Criar um projeto chamado: **BankApp**
  - File → New → Java Project
    - No campo Project Name digite: BankApp
      - ✓ Clique em: Finish
- Criar duas Classes
  - BankAccount
    - **Variáveis de instância** e **Métodos** da classe
  - BankAccountTest
    - Onde estará a **main()**

# CRIAÇÃO DE CLASSES

- Criação das classes
  - Clicar com o botão direito do mouse em cima da pasta **src**
    - New → Class

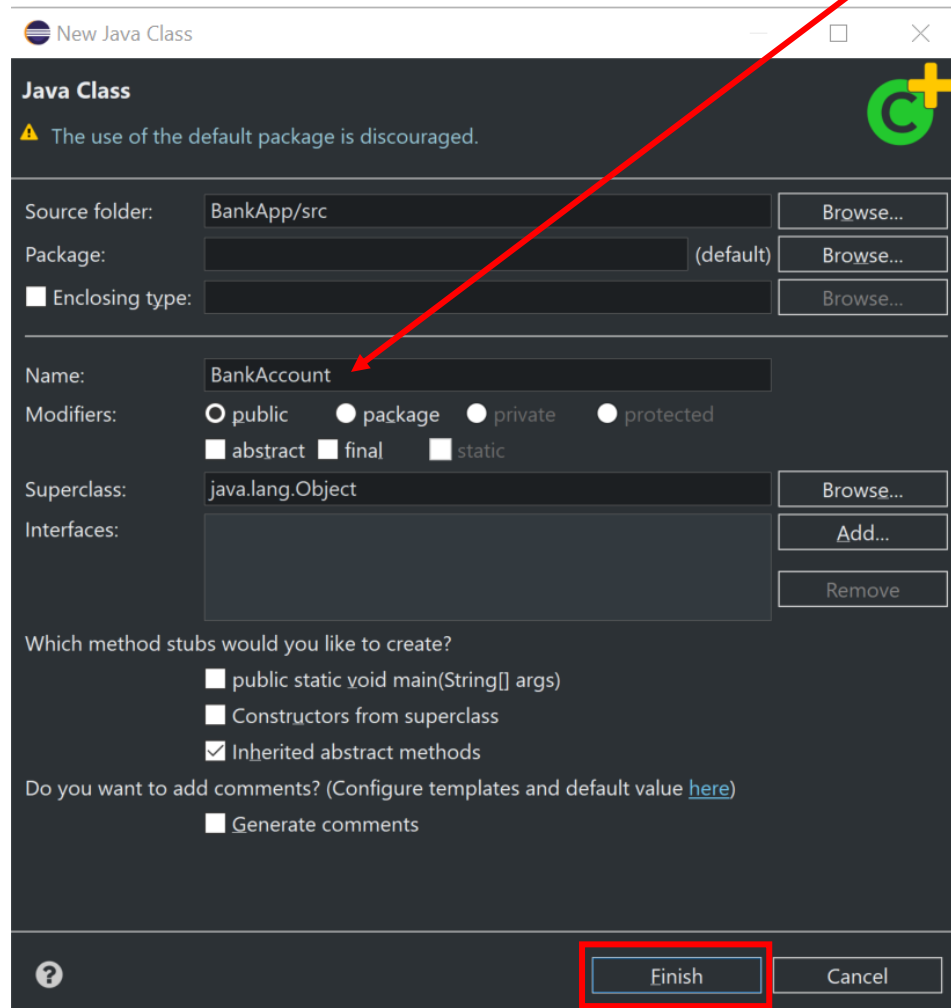


# CRIAÇÃO DE CLASSES

- Criação das classes

BankAccount

BankAccountTest



The screenshot shows the 'New Java Class' dialog box. The 'Name' field is filled with 'BankAccount'. A red arrow points from the 'BankAccount' text above to this field. The 'Finish' button at the bottom is highlighted with a red rectangle.

Java Class

⚠ The use of the default package is discouraged.

Source folder: BankApp/src Browse...

Package: (default) Browse...

☐ Enclosing type: Browse...

Name: BankAccount

Modifiers: ☐ public ☒ package ☐ private ☐ protected  
☐ abstract ☐ final ☐ static

Superclass: java.lang.Object Browse...

Interfaces: Add... Remove

Which method stubs would you like to create?

☐ public static void main(String[] args)

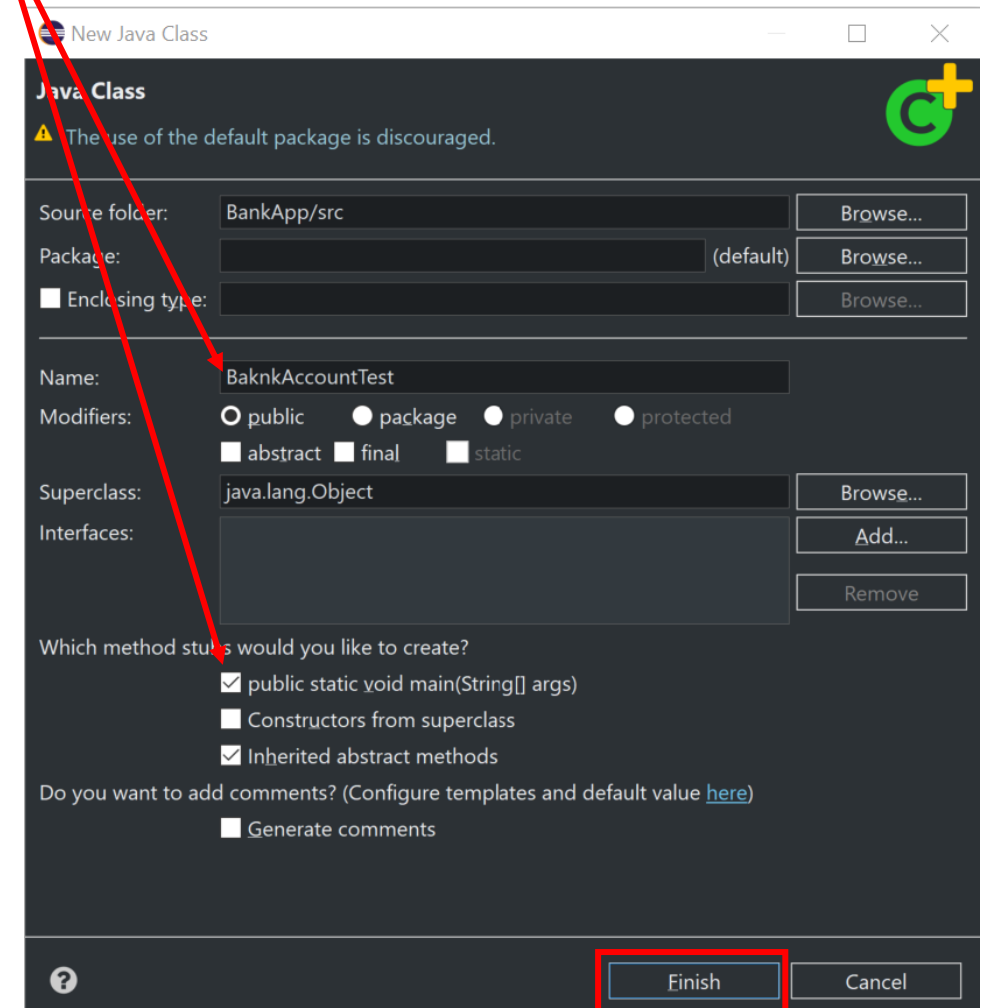
☐ Constructors from superclass

☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))

☐ Generate comments

? Finish Cancel



The screenshot shows the 'New Java Class' dialog box. The 'Name' field is filled with 'BankAccountTest'. A red arrow points from the 'BankAccountTest' text above to this field. The 'Finish' button at the bottom is highlighted with a red rectangle.

Java Class

⚠ The use of the default package is discouraged.

Source folder: BankApp/src Browse...

Package: (default) Browse...

☐ Enclosing type: Browse...

Name: BankAccountTest

Modifiers: ☐ public ☒ package ☐ private ☐ protected  
☐ abstract ☐ final ☐ static

Superclass: java.lang.Object Browse...

Interfaces: Add... Remove

Which method stubs would you like to create?

☒ public static void main(String[] args)

☐ Constructors from superclass

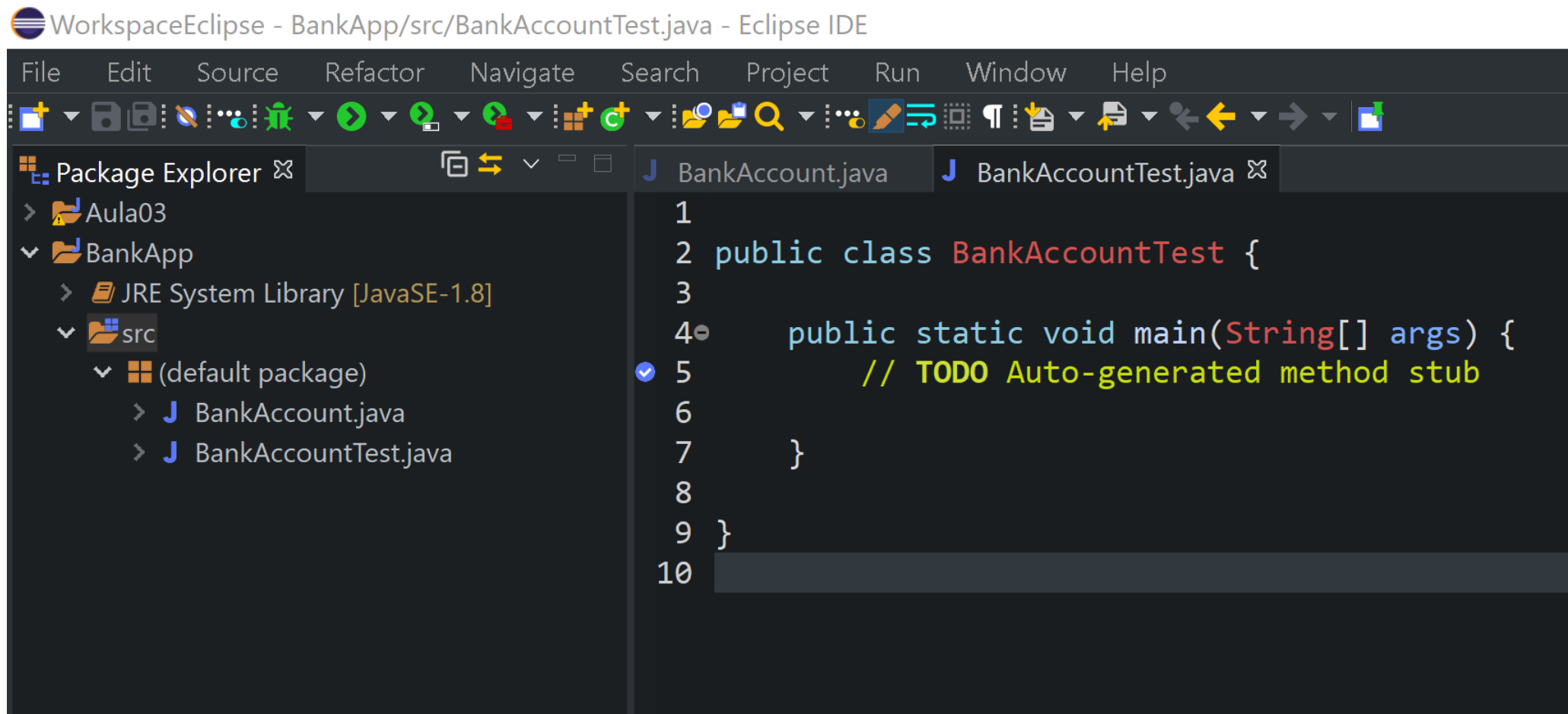
☒ Inherited abstract methods

Do you want to add comments? (Configure templates and default value [here](#))

☐ Generate comments

? Finish Cancel

# VISÃO GERAL DO ECLIPSE



# CLASSE BankAccount

- Na classe BankAccount criar as seguintes variáveis de instância **privadas**
  - Número da conta
  - Nome do correntista
  - Saldo
  - Limite
- Criar os **getters** e **setters** para as variáveis de instância
  - Métodos acessadores (get) e modificadores (set)
- Na classe Conta, criar um método que realiza a **impressão** de todas as variáveis de instância da classe

# CLASSE BankAccountTest

- No método **main**
  - Instanciar 3 objetos BankAccount
  - Atribuir valores às variáveis de cada objeto
  - Imprimir as informações de cada objeto