

Alumno/a: José Manuel García Valverde

[Examen Refactorizacion]

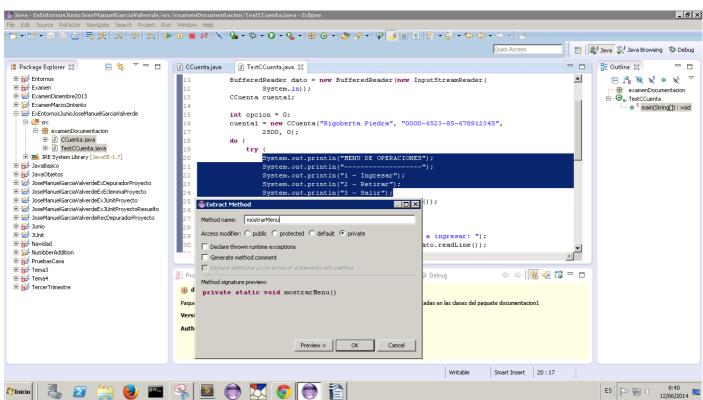
Refactorización:

Deberás refactorizar ambas clases y entregar, aparte del resultado, un documento "ApellidosNombreRefactorizacion.pdf" con pantallazos del antes y después de cada uno de los pasos debidamente identificados, incluyendo el menú utilizado para ello.

Realiza las siguientes actividades:

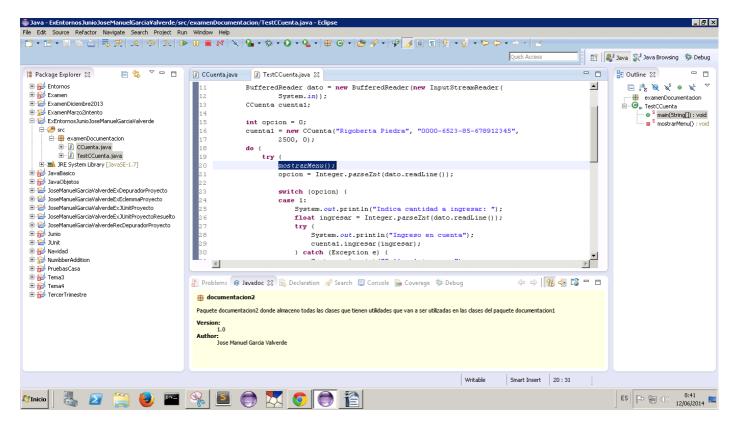
- En la clase TestCCuenta
 - TestCCuenta.java: Extrae los métodos recogerOpcion, mostrarMenu, ingresar, retirar

mostrarMenu

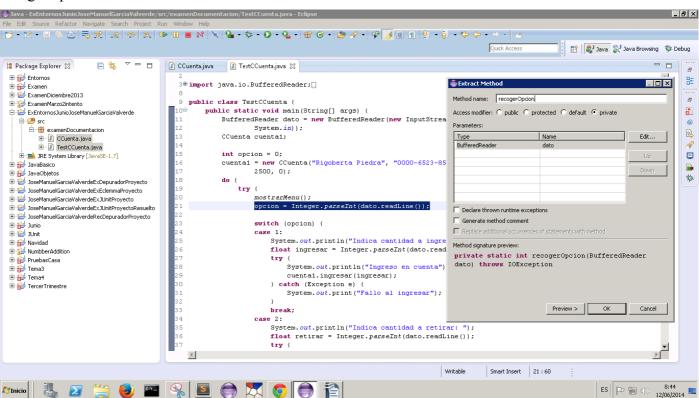


Módulo: Entornos de desarrollo





recogerOpcion:



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                                   Examen ExamenDiciembre2013
                                                                                                                                                     B=
                                       3 mport java.io.BufferedReader;□
 ExamenMarzo2intento
                                            public static void main(String[] args) {
                                                                                                                                                     BufferedReader dato = new BufferedReader(new InputStreamReader(
                                                                                                                                                     @
                                                       System.in));
     🖹 🖶 examenDocumentacion
                                                                                                                                                     CCuenta.java
TestCCuenta.java
                                                CCuenta cuental;
                                                int opcion = 0;
                                                                                                                                                     ▣
    ⊞ ➡ JRE System Library [JavaSE-1.7]
                                               <u>⊶</u>
参

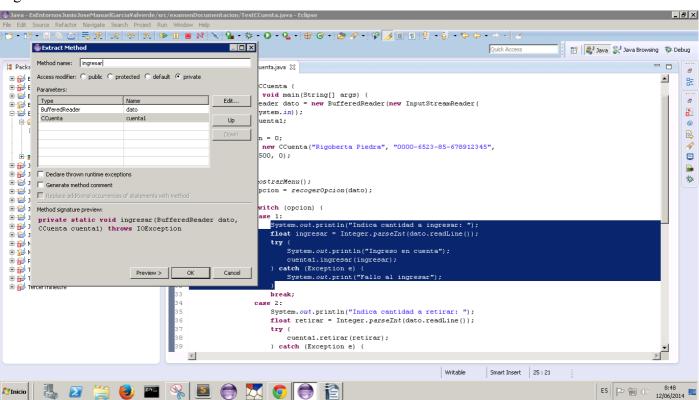
    SoseManuelGarciaValverdeExDepuradorProyecto
    SoseManuelGarciaValverdeExEdemmaProyecto
    SoseManuelGarciaValverdeExJUnitProyecto

                                                   try (
                                                       opcion = recogerOpcion(dato);
 switch (opcion) {
 🗓 📴 JUnit
                                                          System.out.println("Indica cantidad a ingresar: ");

    ⊕ Navidad

 float ingresar = Integer.parseInt(dato.readLine());
                                                              System.out.println("Ingreso en cuenta");
 Tema3
Tema4
Tema4
TemcerTrimestre
                                                              cuental.ingresar(ingresar);
                                                          } catch (Exception e) {
   System.out.print("Fallo al ingresar");
                                                          break:
                                                          System.out.println("Indica cantidad a retirar: ");
                                                          float retirar = Integer.parseInt(dato.readLine());
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Ingresar:



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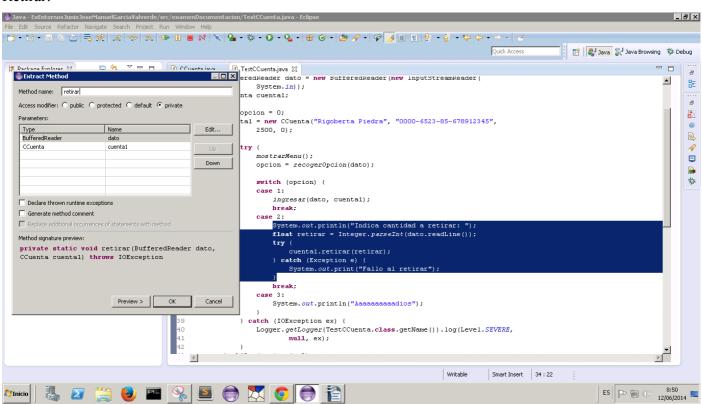
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                                                                                                                   public class TestCCuenta {
                                                                                                                             public static void main(String[] args) (
    BufferedReader dato = new BufferedReader(new InputStreamReader(
     ExamenMarzo2intento
                                                                                                                                                                                                                                                                                                                                                                                                                                      System.in));
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                                                                                                                                                                                                                                                                                                                                                                                                                                      CCuenta.java
                                                                                                                                        int opcion = 0;
                                                                                                                                        ▣
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参
                                                                                                                                                  try (

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    SoseManuelGarciaValverdeExJUnitProyecto

                                                                                                                                                            opcion = recogerOpcion(dato);
                                                                                                                                                             switch (opcion) (
      case 1:
    ingresar(dato, cuental);
    break;
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     Navidad

NumbberAddition
PruebasCasa
                                                                                                                                                                      System.out.println("Indica cantidad a retirar: ");
                                                                                                                                                                       float retirar = Integer.parseInt(dato.readLine());
     Tema3
Tema4
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TercerTrimestre
                                                                                                                                                                      try (
                                                                                                                                                                                cuental.retirar(retirar):
                                                                                                                                                                      catch (Exception e) {
   System.out.print("Fallo al retirar");
                                                                                                                                                                     System.out.println("Aaaaaaaaaadios");
                                                                                                                                                   } catch (IOException ex) {
                                                                                                                                                                                                                                                                                                                                                                                                                   ▼
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Retirar:



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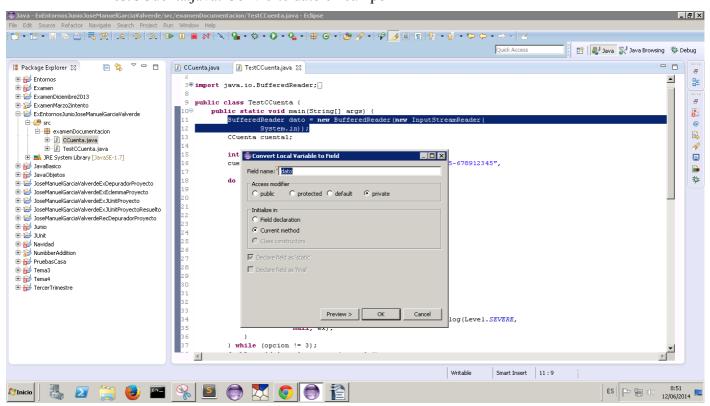
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                                       3⊕ import java.io.BufferedReader;□
 ExamenMarzo2intento
                                                                                                                                                      ExEntornosJunioJoseManuelGarciaValverde
                                            public static void main(String[] args) (
                                                                                                                                                       @
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                                                                                                                                                      CCuenta.java
                                                CCuenta cuental;
                                                                                                                                                      ▣
    ⊞ M JRE System Library [JavaSE-1.7]
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参
                                                cuenta1 = new CCuenta("Rigoberta Piedra", "0000-6523-85-678912345",
                                                       2500, 0);

    SoseManuelGarciaValverdeExDepuradorProyecto
    SoseManuelGarciaValverdeExEdemmaProyecto
    SoseManuelGarciaValverdeExJUnitProyecto

                                                    try (
                                                       mostrarMenu():
 opcion = recogerOpcion(dato);
 switch (opcion) {
 🗓 📴 JUnit
                                                        case 1:
    ingresar(dato, cuental);
 Navidad

NumbberAddition
PruebasCasa
                                                           break;
 Tema3
Tema4
Tema4
TemcerTrimestre
                                                           break;
                                                           System.out.println("Aaaaaaaaaadios");
                                                    } catch (IOException ex) {
                                                       \texttt{Logger.getLogger}(\texttt{TestCCuenta.class.getName}()). \texttt{log}(\texttt{Level.SEVERE},
                                                              null, ex);
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• TestCCuenta.java: Convierte dato en campo



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                                        private static BufferedReader dato;
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                                                                                                                                        CCuenta.java
                                           int ope
cuental = new cc
2500, 0);
                                            int opcion = 0;
                                                                                                                                        ▣
   ⊞ M JRE System Library [JavaSE-1.7]
                                                    new CCuenta("Rigoberta Piedra", "0000-6523-85-678912345",
 <u>⊶</u>
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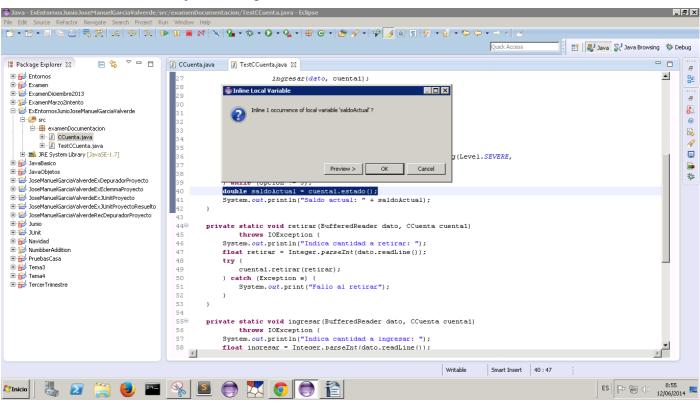
    JoseManuelGarciaValverdeExEclemmaProyecto
    SeManuelGarciaValverdeExJUnitProyecto

                                                  mostrarMenu();
                                                  opcion = recogerOpcion(dato);
 switch (opcion) (
 🗓 📴 JUnit
                                                     ingresar(dato, cuental);

    ⊕ Navidad

 break;
                                                  case 2:
                                                     retirar(dato, cuental);
break;
 Tema3
Tema4
Tema4
TemcerTrimestre
                                                  case 3:
                                                     System.out.println("Aaaaaaaaaadios");
                                               } catch (IOException ex) {
                                                  Logger.getLogger(TestCCuenta.class.getName()).log(Level.SEVERE,
    null, ex);
                                            ) while (opcion != 3);
                                                                                                                                 ▼
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• TestCCuenta.java: Incorpora saldoActual en la misma línea.



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                                                                                                                                        - -
                                  ingresar(dato, cuental);
                                                                                                                                         •
                                                                                                                                              B=
 Examen ExamenDiciembre2013
                                                        break:
 retirar(dato, cuental);
                                                                                                                                              break;
                                                    case 3:
    System.out.println("Aaaaaaaaaadios");
                                                                                                                                              @
     Ė ⊕ examenDocumentacion
                                                                                                                                              CCuenta.java
                                                 } catch (IOException ex) {
                                                                                                                                              ⊞ M JRE System Library [JavaSE-1.7]
                                                    Logger.getLogger(TestCCuenta.class.getName()).log(Level.SEVERE,
 null, ex);
                                                                                                                                              <u>⊶</u>
参

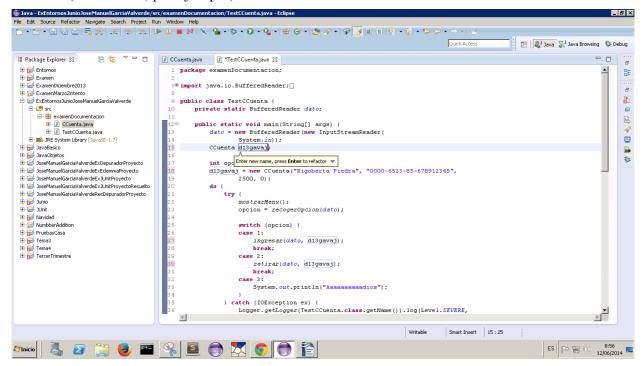
    JoseManuelGarciaValverdeExEclemmaProyecto
    SeManuelGarciaValverdeExJUnitProyecto

                                            System.out.println("Saldo actual: " + cuental.estado());
 private static void retirar (BufferedReader dato, CCuenta cuental)
                                             throws IOException (
System.out.println("Indica cantidad a retirar: ");
 🗓 📂 JUnit

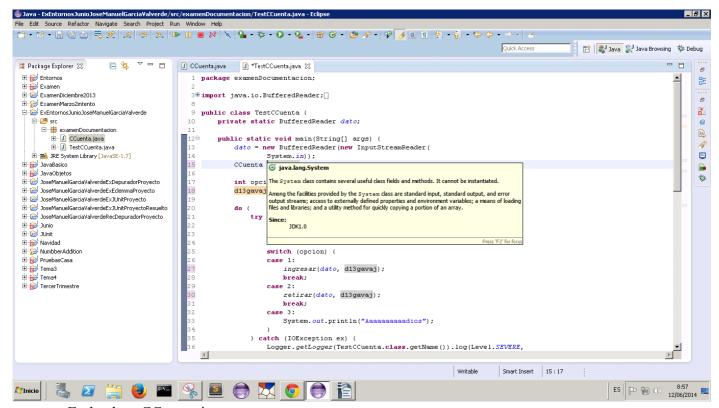
    ⊕ Mavidad

                                              float retirar = Integer.parseInt(dato.readLine());
                                    47
48
49
 ⊕ 🔐 PruebasCasa
                                                 cuental.retirar(retirar);
 Tema3
Tema4
Tema4
TercerTrimestre
                                             ) catch (Exception e) {
                                    50
51
52
53
                                                 System.out.print("Fallo al retirar");
                                    549
55
56
                                          System.out.println("Indica cantidad a ingresar: ");
                                              float ingresar = Integer.parseInt(dato.readLine());
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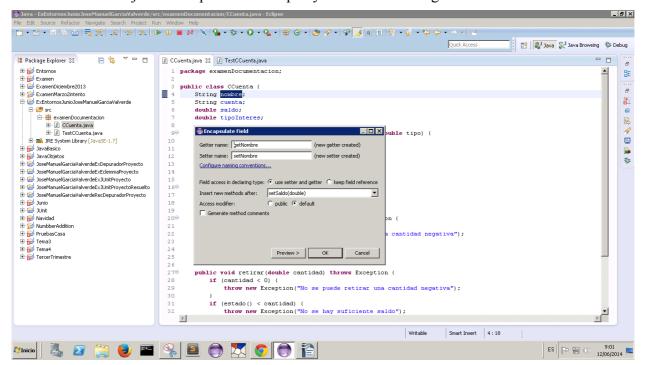
• TestCCuenta.java: Renombra la variable local cuenta1 con tu cuenta en el sistema (d13macom, por ejemplo)







- En la clase CCuenta.java:
 - CCuenta.java: Encapsula los campos y usa los métodos generados.



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 Examer
                                                 public class CCuenta {
    private String nombre;
    private String cuenta;
 ExamenDiciembre2013
                                                                                                                                                                                      ExEntornosJunioJoseManuelGarciaValverde
                                                      .
private double
                                            private double tipoInteres;

    CCuenta.java

    ☐ ☐ TestCCuenta.java
☐ ☐ ☐ JRE System Library [JavaSE-1.7]
                                                      public CCuenta(String nom, String cue, double sal, double tipo) {
                                                                                                                                                                                      ▣

    ⊕ JavaBasico

                                                          setCuenta(cue);
                                                                                                                                                                                      setSaldo(sal):
                                                                                                                                                                                      *

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    SoseManuelGarciaValverdeExEclemmaProyecto

                                                          setTipoInteres(tipo);
 JoseManuelGarciaValverdeExJUnitProyectoResuelto
                                                     public double estado() {
                                                         return getSaldo();
                                             18
19
20
 🗓 🔒 Junio
 ⊕ 👺 JUnit
⊕ 🔐 Navidad
                                                     public void ingresar(double cantidad) throws Exception (
 21
22
23
                                                          if (cantidad < 0) {
 PruebasCasa
                                                              throw new Exception("No se puede ingresar una cantidad negativa");
                                             24
25
26
 ± ₩ Tema4
                                                          setSaldo(getSaldo() + cantidad);
 ± Free Trimestre
                                             276
                                                     public void retirar (double cantidad) throws Exception (
                                             28
29
30
                                                          if (cantidad < 0) (
    throw new Exception("No se puede retirar una cantidad negativa");</pre>
                                                          if (estado() < cantidad) (
    throw new Exception("No se hay sufficiente saldo");</pre>
                                                                                                                                                                             F
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