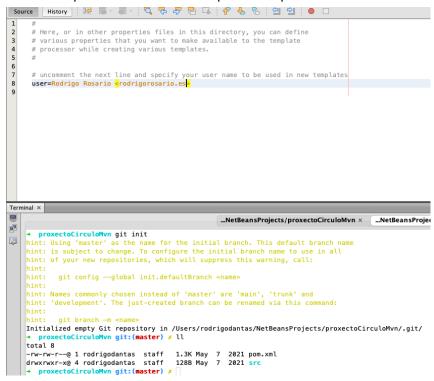
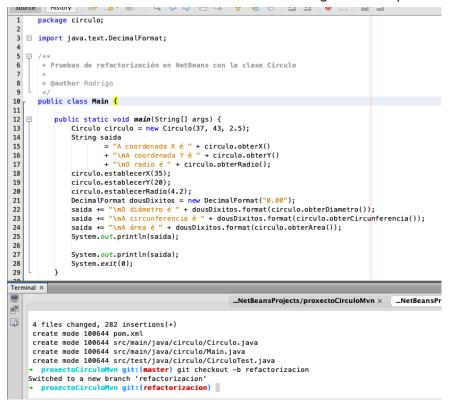
## Tarefa 2 - UD04 - Refactorización - Documentación - SonarLint - Circulo

1. Crea un repositorio local Git co proxecto proxecto Circulo Mvn



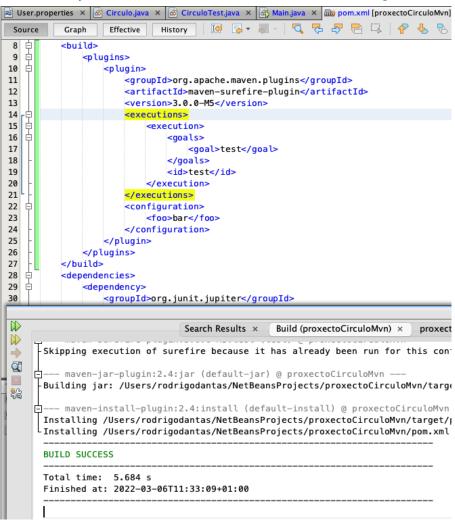
2. Cambia o nome do autor de todas as clases e garda no repositorio o proxecto.



3. Crea unha rama refactorizacion e móvete a ela

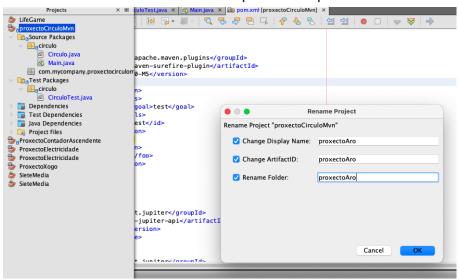
```
→ proxectoCirculoMvn git:(master) git checkout -b refactorizacion
Switched to a new branch 'refactorizacion'
→ proxectoCirculoMvn git:(refactorizacion)
```

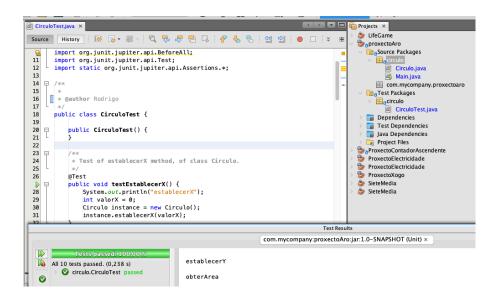
4. Comproba se está instalado o Maven Surefire Plugin.



5. Realiza as seguintes refactorizacións sobre o proxectoCirculoMvn:

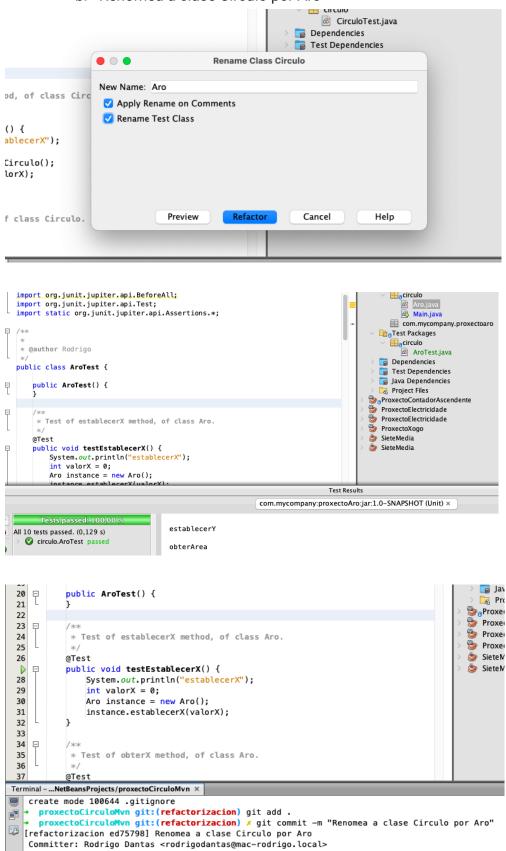
a. Renomea o nome do proxecto a proxectoAro



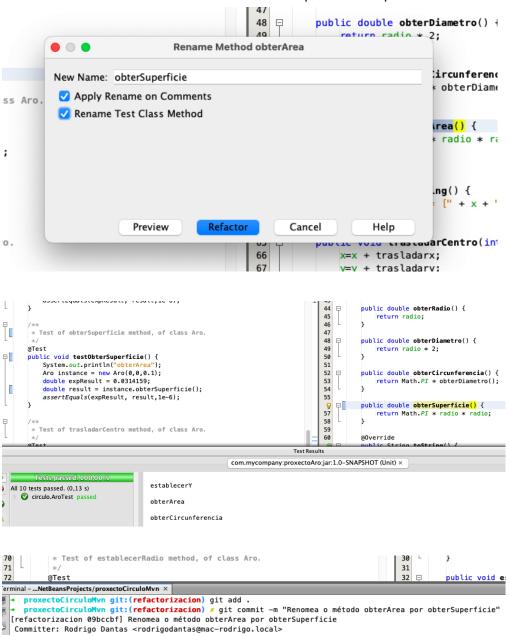


```
public void testEstablecerX() {
                                                                                                                 }else if
 28
                 System.out.println("establecerX");
                                                                                                   19
 29
                 int valorX = 0;
                                                                                                   20
                                                                                                                     resu
 30
                 Circulo instance = new Circulo();
                                                                                                   21
                                                                                                                 }else if
 31
                 instance.establecerX(valorX);
                                                                                                   22
                                                                                                                     resu
 32
                                                                                                   23
                                                                                                                 }else{
 33
                                                                                                   24
                                                                                                                     resu
     34
                                                                                                   25
 35
             * Test of obterX method, of class Circulo.
                                                                                                              return resu
                                                                                                   26
  36
                                                                                                   27
  37
                                                                                                   28
             public void testObterX() {
Terminal - ...NetBeansProjects/proxectoCirculoMvn ×
no changes added to commit (use "git add" and/or "git commit -a")
proxectoCirculoMvn git:(refactorizacion) / git add .
proxectoCirculoMvn git:(refactorizacion) / git commit -m "Renomea o nome do proxecto a proxectoAro"
   [refactorizacion 6a7e5df] Renomea o nome do proxecto a proxectoAro
    Committer: Rodrigo Dantas <rodrigodantas@mac-rodrigo.local>
```

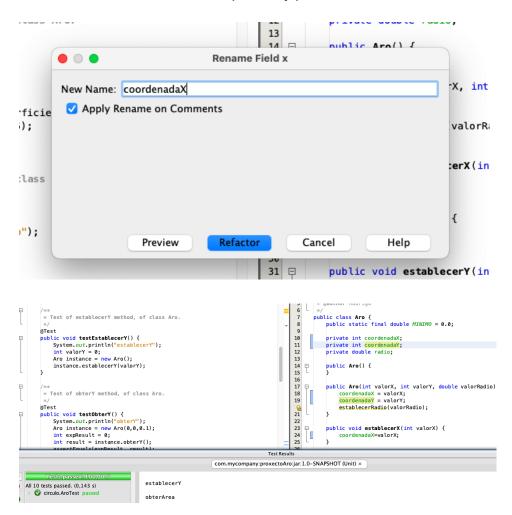
b. Renomea a clase Circulo por Aro



## c. Renomea o método obterArea por obterSuperficie



d. Renomea os campos x e y por coordenadaX e coordenadaY.



e. Introduce a constante LIMITERADIO de tipo double co valor 0.0.

```
public static final double MINIMO = 0.0;

public static final double LIMITERADIO = 0.0;

**Immal -_NetBeansProjects/proxectoCirculoMvn × |

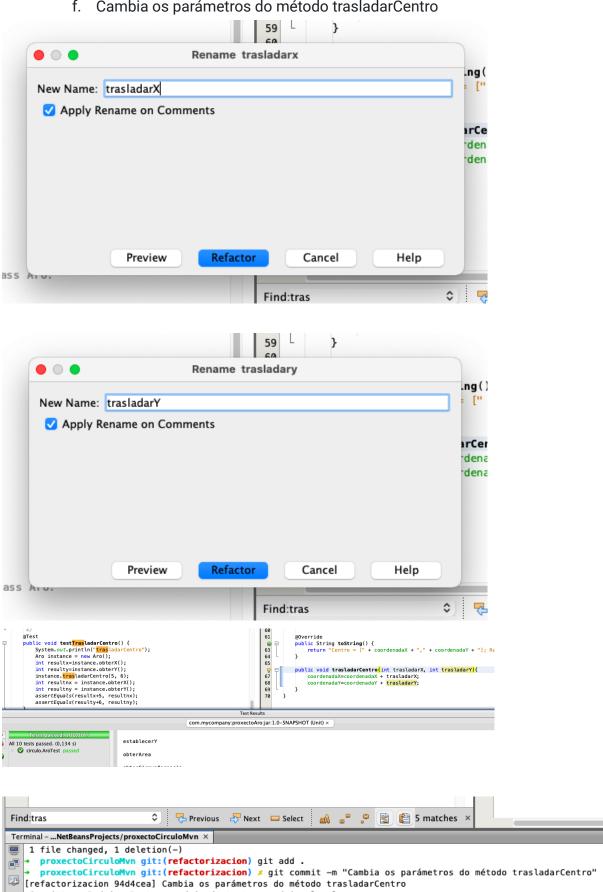
1 file changed, 1 insertion(+)

+ proxectoCirculoMvn git:(refactorizacion) git add .

+ proxectoCirculoMvn git:(refactorizacion) * git commit -m "Introduce a constante LIMITERADIO de tipo double co valor 0.0"

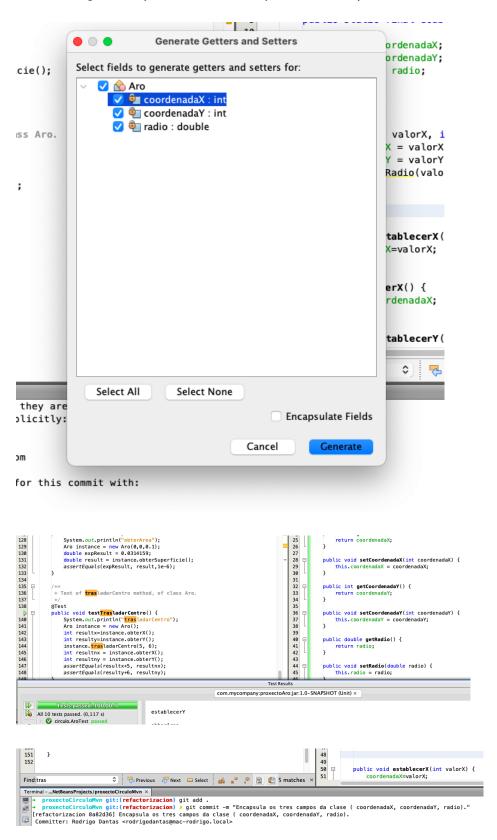
[refactorizacion 1falf6f9] Introduce a constante LIMITERADIO de tipo double co valor 0.0 Committer: Rodrigo Dantas <rodrigodantas@mac-rodrigo.local>
```

f. Cambia os parámetros do método trasladarCentro

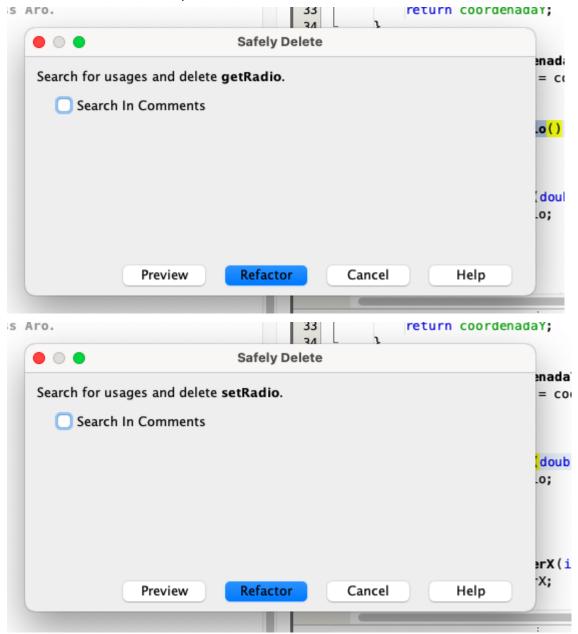


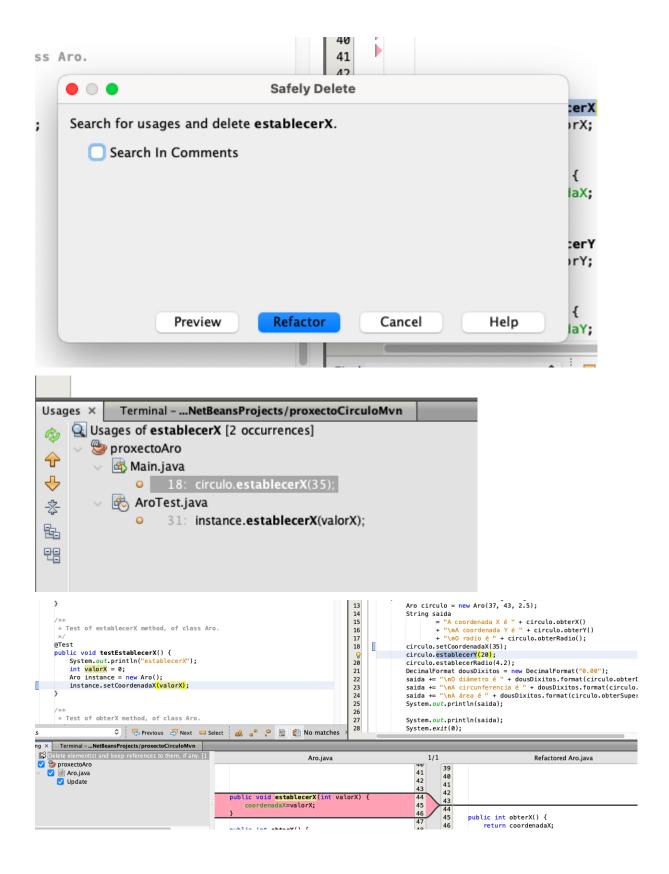
Committer: Rodrigo Dantas <rodrigodantas@mac-rodrigo.local>

g. Encapsula os tres campos da clase (coordenadaX, coordenadaY, radio).



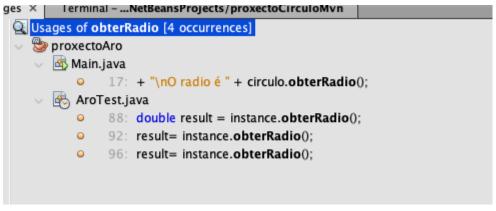
h. Elimina de forma segura os métodos obterX, obterY, obterRadio, establecerX, establecerY e establecerRadio

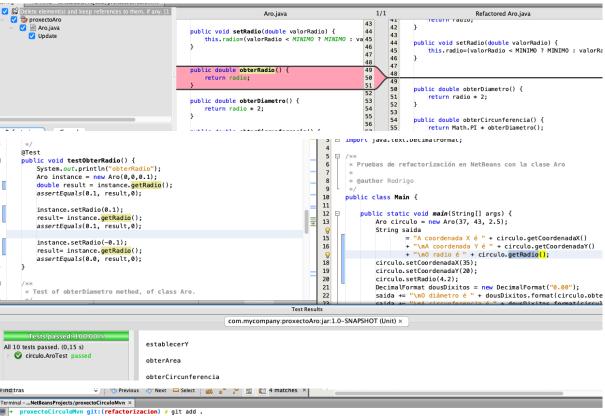












proxectoCirculoNvn git:(refactorizacion) / git add .
proxectoCirculoNvn git:(refactorizacion) / git commit -m "Elimina de forma segura os métodos obterX, obterY, obterRadio, establecerX, establecerX e establecerX e establecerRadio"
[refactorizacion óbclbea] Elimina de forma segura os métodos obterX, obterY, obterRadio, establecerX, establecerRadio

Committer: Rodrigo Dantas <rorrigodantas@mac-rodrigo.local>

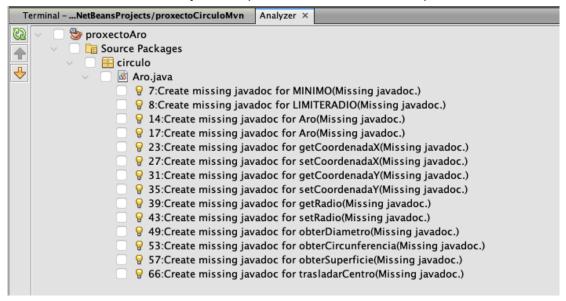
6. Fusiona a rama refactorizacion coa rama master

```
public class Main {
            public static void main(String[] args) {
   Aro circulo = new Aro(37, 43, 2.5);
                    String saida
= "A coordenada X é " + circulo.getCoordenadaX()
                                  + "\nA coordenada Y é " + circulo.getCoordenadaY()
+ "\nO radio é " + circulo.getRadio();
                    + "\n0 radio e" + circulo.getRadio();
circulo.setCoordenadaX(35);
circulo.setCoordenadaX(28);
circulo.setRadio(4.2);
DecimalFormat dousDixitos = new DecimalFormat("0.00");
Saida + "\n0 diametro e" + dousDixitos.format(circulo.obterDiametro());
Saida + "\nA circunferencia e" + dousDixitos.format(circulo.obterCircunferencia());
Saida + "\nA freu e" + dousDixitos.format(circulo.obterCircunferencia());
System.out.orintln(saida);
                    System.out.println(saida);
                    System.out.println(saida):
                    System.exit(0):
• proxectoCirculoMvn git:(refactorizacion) git checkout master
iwitched to branch 'master'
• proxectoFirms'
ninal - ...NetBeansProjects/proxectoCirculoMvn ×
proxectoCirculoMvn git:(master) x git merge refactorizacion ipdating 88215ce..6bclbea ast-forused
 ast-forward
.gitignore
 src/main/java/circulo/Aro.java
                                                                                                              71 ------
 src/test/java/circulo/{Circulofest.java => AroTest.java} | 84 ++++++
f files changed, 152 insertions(+), 126 deletions(-)
create mode 100644 .gitignore
create mode 100644 src/main/java/circulo/Aro.java
delete mode 100644 src/main/java/circulo/firculo.java
rename src/test/java/circulo/{CirculoTest.java => AroTest.java} (52%)
```

7. Crea unha rama documentacion e móvete a ela.

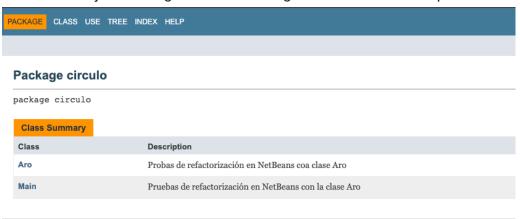
```
→ proxectoAro git:(master) git checkout documentacion
Switched to branch 'documentacion'
→ proxectoAro git:(documentacion)
```

8. Usa o analizador de javadoc para verificar se está completamente documentado



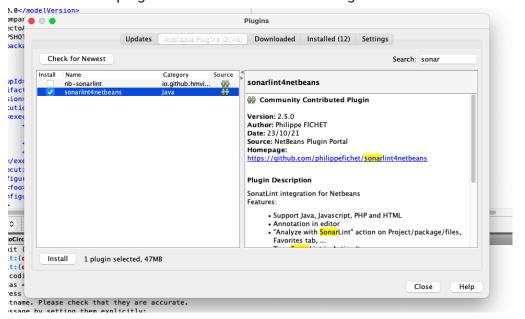


9. Xera o javadoc e garda todo o código documentado no repositorio

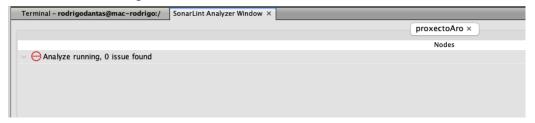




10. Instala o plugin de NetBeans SonarLint integration for Netbeans



11. Revisa se algunha das suxestións



12. Fusiona a rama master coa rama documentación

```
Terminal - ...rigo:~/NetBeansProjects/proxectoAro × Sonar Rule Details Window

proxectoAro git: (documentacion) git status

on branch documentacion
nothing to commit, working tree clean

proxectoAro git: (documentacion) git checkout master

Switched to branch 'master'

proxectoAro git: (master) git merge documentacion
Updating 6bclbea..132c5e6

Fast-forward
src/main/java/circulo/Aro.java | 60
src/main/java/circulo/Main.java | 4
2 files changed, 62 insertions(+), 2 deletions(-)

proxectoAro git: (master)
```

13. Crea un repositorio de nome proxectoAro en GitHub. Sincroniza o repositorio local

```
Terminal - ...rigo: ~/NetBeansProjects/proxectoAro × Sonar Rule Details Window
proxectoAro git:(master) git remote add origin git@github.com:rodrigorosariodantas/proxectoAro.git
   → proxectoAro git:(master) git push
  fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use
      git push --set-upstream origin master
   → proxectoAro git:(master) git push --set-upstream origin master
  Enumerating objects: 93, done.
  Counting objects: 100% (93/93), done.
  Delta compression using up to 4 threads
  Compressing objects: 100% (59/59), done.
  Writing objects: 100% (93/93), 9.12 KiB | 176.00 KiB/s, done.
  Total 93 (delta 25), reused 0 (delta 0), pack-reused 0
  remote: Resolving deltas: 100% (25/25), done.
  To github.com:rodrigorosariodantas/proxectoAro.git
   * [new branch]
                       master -> master
  Branch 'master' set up to track remote branch 'master' from 'origin'.
   • proxectoAro git:(master)
```