File   Edit   View   Navigate   Code

Project ⌄

> Ex1EvEDLuisEstebanVelezG
  > .idea
  ⌄ src
    ⌄ examen.com
        Alumno
        IES
        TecladoGrafico
    .gitignore
    Ex1EvEDLuisEstebanVelezG.
  > External Libraries
    Scratches and Consoles

Project Structure

← →

Project Settings
  Project
  Modules
  Libraries
  Facets
  Artifacts
Platform Settings
  SDKs
  Global Libraries

  Problems

Project
Default settings for all modules. Configure these parameters for each module on the module page as needed.

Name: Ex1EvEDLuisEstebanVelezG

SDK: liberica-21 BellSoft Liberica 21.0.8   ⌄   Edit

Language level: SDK default   ⌄

Compiler output: ~\IdeaProjects\Ex1EvEDLuisEstebanVelezG\out   📁

Used for module subdirectories, Production and Test directories for the corresponding sources.

Project ⌄   ➕ | ⊕ ⌃ ✕ ⋮ ▬

⌄ Ex1EvEDLuisEstebanVelezG D:\USERS_NO_BC
  > .idea
  ⌄ src
    ⌄ examen.com
        Alumno
        IES
        TecladoGrafico
    .gitignore
    Ex1EvEDLuisEstebanVelezG.iml
  External Libraries
  Scratches and Consoles

Alumno
- codigo:int
- numAl:int
- edad:int
- notas:double[]

Copy all annotations   OK   Cancel

```
13              int subirNotas() {  1 usage
🍎              int sum = 0;   sum: 26
15              for (int i = 0; i < alumnos.length; i++)   i: 3
16                  sum += alumnos[i].sumarANota( pos: i + 1,  inc: i - 1);   sum: 26     i: 3     alumnos: Alumno[4]@848
17              return sum;
18          }
19
```

Threads & Variables   Console

Evaluate expression (Intro) or add a watch (Ctrl+Mayús+Intro)

```
> ☰ this = {IES@847}
  ⅒ sum = 26
  ⅒ i = 3
∨ ∞ alumnos = {Alumno[4]@848}
  > ☰ 0 = {Alumno@852}
  > ☰ 1 = {Alumno@853}
  ∨ ☰ 2 = {Alumno@854}
        ⓕ codigo = 3
        ⓕ edad = 33
    > ⚑ notas = {double[5]@858} [7.0, 6.0, 3.0, 9.0, 5.0]... View
  > ☰ 3 = {Alumno@855}
  ∞ alumnos.length = 4
∨ ∞ alumnos[i] = {Alumno@855}
```

Activar Windows

☰ EE Ex1EvEDLuisEstebanVelezG ∨   Version control ∨   Current File ∨   ▷

```
Project ∨                                  © Alumno.java  ×    © IES.java    © TecladoGrafico.java
∨ 🗎 Ex1EvEDLuisEstebanVelezG D:\USERS    3        public class Alumno {
  > 🗀 .idea                               19  >            edad++; }
  > 🗀 out                                 21
  ∨ 🗀 src                                 22        int sumarANota(int pos, int inc) {  no usages    pos: 4   inc: 2
    ∨ 🗀 examen.com                        🍎           notas[pos] += inc;   pos: 4    inc: 2    notas: [5.0, 9.0, 10.0, 5.0, 4.0]
      © Alumno                            24           return (int) notas[pos];
      © IES                               25        }
      © TecladoGrafico                    26
  ⊘ .gitignore                            27        public int getCodigo() {  no usages
  🗎 Ex1EvEDLuisEstebanVelezG.iml         28           return codigo;
> 🗎 External Libraries                    29        }
  ☰ Scratches and Consoles                30
```

```
Debug        🗎 IES  ×
                                          Evaluate                                      ×
G ⬛ Ⅱ▷ Ⅱ ⌱ ↓ ↑ ⊘ ∅ :
                              Expression:
✓ "main"@1 in ...ain": RUNNING ▽ ∨
                              numAl                                    ⤢  ∨
↩ sumarANota:23, Alumno (examen.com
  subirNotas:16, IES (examen.com)                       Use Ctrl+Mayús+Intro to add to Watches
  main:31, IES (examen.com)    Result:
                         ?                              Evaluate        Close
```

Threads & Variables   Conso
```
                              numAl
                          ∞ numAl = 5
                        > ☰ this = {Alumno@855}
                          ⓟ pos = 4
                          ⓟ inc = 2
                        ∨ ∞ notas = {double[5]@859} [5.0, 9.0, 10.0, 5.0, 4.0]... View
                            ⅒ 0 = 5.0
                            ⅒ 1 = 9.0
                            ⅒ 2 = 10.0
                            ⅒ 3 = 5.0
                            ⅒ 4 = 4.0
                          ∞ notas[pos] = 4.0
```

Project ⌄

Alumno.java ×   IES.java   TecladoGrafico.java

Breakpoints   ×

Alumno.java:23, Line breakpoint

☑ Java Line Breakpo
  ☑ Alumno.java:23
  ☑ IES.java:14
☐ Java Exception Br
  ☐ Any exception

☑ Enabled

☑ Suspend: ⦿ All ○ Thread

☐ Condition:

Log: ☐ "Breakpoint hit" message ☐ Stack trace   ☐ Instance filters:

☐ Evaluate and log:

☐ Class filters:

☐ Remove once hit
Disable until hitting the following breakpoint:
<None>

☐ Pass count:

After hit: ⦿ Disable again ○ Leave enabled

☐ Caller filters:

?   Done

Debug

✓ "main"
  ↶ sumar
    subirN
    main:

```
20
21          private void cumplirAgnos() {  1 usage
22              int aleat;    aleat: 1
23              for (int i = 0; i < 3; i++) {   i: 0
24                  aleat = (int) (Math.random() * 3);
25                  alumnos[aleat].cumpleAgnos();   aleat: 1    alumnos: Alumno[4]@848
26              }
27          }
28
```

Threads & Variables   Console

Evaluate expression (Intro) or add a watch (Ctrl+Mayús+Intro)

  ∞ numAl = Cannot find local variable 'numAl'
> ∞ alumnos[aleat] = {Alumno@851}
> ∞ alumnos[aleat] = {Alumno@851}
> ∞ alumnos[aleat] = {Alumno@851}
> ∞ alumnos[aleat] = {Alumno@851}
> 🗏 this = {IES@847}
  i = 0
  aleat = 1
> ∞ alumnos = {Alumno[4]@848}
> ∞ alumnos[aleat] = {Alumno@851}