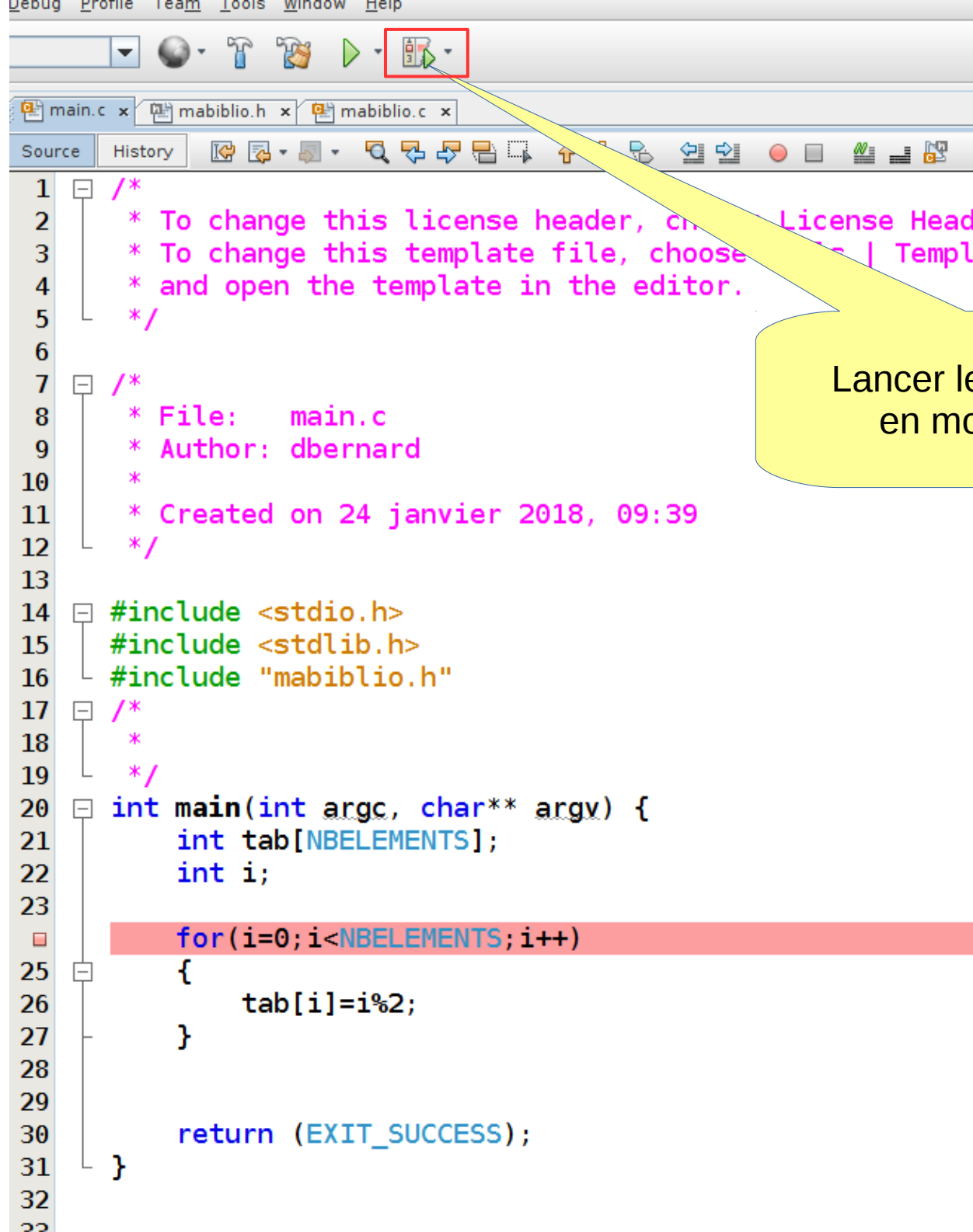


# Mode debug en C avec Netbeans

Clic gauche sur  
le numéro de la ligne  
où vous voulez vous  
arrêter

```
13
14 [ ] #include <stdio.h>
15 [ ] #include <stdlib.h>
16 [ ] #include "biblio.h"
17 [ ] /*
18 [ ] *
19 [ ] */
20 [ ] int main(int argc, char** argv) {
21 [ ]     int tab[NBELEMENTS];
22 [ ]     int i;
23 [ ]     for(i=0; i<NBELEMENTS; i++)
24 [ ]     {
25 [ ]         tab[i]=i%2;
26 [ ]     }
27 [ ]
28 [ ]
29 [ ]     return (EXIT_SUCCESS);
30 [ ] }
31
32
33
```



```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose File | Templates | Source Code Templates
4   * and open the template in the editor.
5   */
6
7  /*
8   * File:   main.c
9   * Author: dbernard
10
11  * Created on 24 janvier 2018, 09:39
12  */
13
14  #include <stdio.h>
15  #include <stdlib.h>
16  #include "mabiblio.h"
17
18  /*
19   *
20   */
21
22  int main(int argc, char** argv) {
23      int tab[NBELEMENTS];
24      int i;
25
26      for(i=0;i<NBELEMENTS;i++)
27      {
28          tab[i]=i%2;
29      }
30
31      return (EXIT_SUCCESS);
32  }
```

Lancer le programme  
en mode debug

Le programme est  
au point d'arrêt

```
18  
19  */  
20  int main(int argc, char** argv) {  
21      int tab[NBELEMENTS];  
22      int i;  
23  
24      for(i=0; i<NBELEMENTS; i++)  
25      {  
26          tab[i]=i%2;  
27      }  
28
```

Output × Variables Call Stack Breakpoints

CppApplication\_1 (Build, Run) × CppApplication\_1 (Clean, Build) × CppApplication\_1 (Build) × CppApplication\_1 (Build, Run) ×

Visualisation des valeurs  
des variables en cliquant  
sur l'onglet Variables

The screenshot shows a debugger window with a C program being debugged. The program code is visible in the upper pane, with line numbers 23 to 32. The code includes a loop and a return statement. The lower pane shows the 'Variables' tab, which displays a table of current variables and their values.

```
23  ...; i < NBELEMENTS; i++)
25
26  tab[i] = i % 2;
27
28
29
30  return (EXIT_SUCCESS);
31
32 }
```

Name	Value
<Enter new watch>	
tab	{...}
i	0
argc	1
argv	0x7fffffff368

Pour les types composés  
et les tableaux il est  
possible de cliquer sur  
le loquet pour visualiser  
l'ensemble des valeurs

The screenshot shows a debugger interface with the 'Variables' window open. The window displays a variable named 'tab' of type 'array' (indicated by a diamond icon). The array contains 15 elements, indexed from 0 to 14. The values are as follows:

Name	Value
tab	{...}
tab[0]	0
tab[1]	0
tab[2]	0
tab[3]	0
tab[4]	791621423
tab[5]	791621423
tab[6]	791621423
tab[7]	791621423
tab[8]	0
tab[9]	0
tab[10]	0
tab[11]	0
tab[12]	0
tab[13]	0
tab[14]	-16777216

A yellow callout bubble points to the expandable icon (a small square with a plus sign) next to the 'tab' variable name, indicating that clicking it will expand the array to show all its elements.

Pour avancer d'un pas dans le programme

The screenshot shows a debugger interface with the following components:

- Toolbar:** Contains various icons for debugging, including a green play button (Next) which is highlighted by a yellow callout.
- Code Editor:** Displays the source code of `main.c`. The current line of execution is `return (EXIT_SUCCESS);`, which is highlighted in red. The code is as follows:

```
25 {  
26     tab[i]=i%2;  
27 }  
28  
29  
30 return (EXIT_SUCCESS);  
31 }  
32
```
- Variables Window:** Shows the state of the `tab` array. The array has 15 elements, indexed from 0 to 14. The values are as follows:

Name	Value
tab	{...}
tab[0]	0
tab[1]	0
tab[2]	0
tab[3]	0
tab[4]	791621423
tab[5]	791621423
tab[6]	791621423
tab[7]	791621423
tab[8]	0
tab[9]	0
tab[10]	0
tab[11]	0
tab[12]	0
tab[13]	0
tab[14]	-16777216

Pour avancer jusqu'au prochain point d'arrêt

The screenshot shows a debugger window with the following components:

- Debugger Toolbar:** Includes icons for running, stepping, and other debugging actions. A yellow callout points to the 'Next' button (a green circle with a right-pointing arrow).
- Code Editor:** Displays the source code of `main.c`. The current line of execution is `return (EXIT_SUCCESS);`, which is highlighted in green. The code includes a loop that iterates over an array `tab` and a `return` statement.
- Variables Window:** Shows the state of the program's variables. The `tab` array is expanded, showing its contents.

Name	Value
<b>tab</b>	{...}
tab[0]	0
tab[1]	1
tab[2]	0
tab[3]	1
tab[4]	0
tab[5]	1
tab[6]	0
tab[7]	1
tab[8]	0
tab[9]	1
tab[10]	0
tab[11]	1
tab[12]	0
tab[13]	1
tab[14]	0