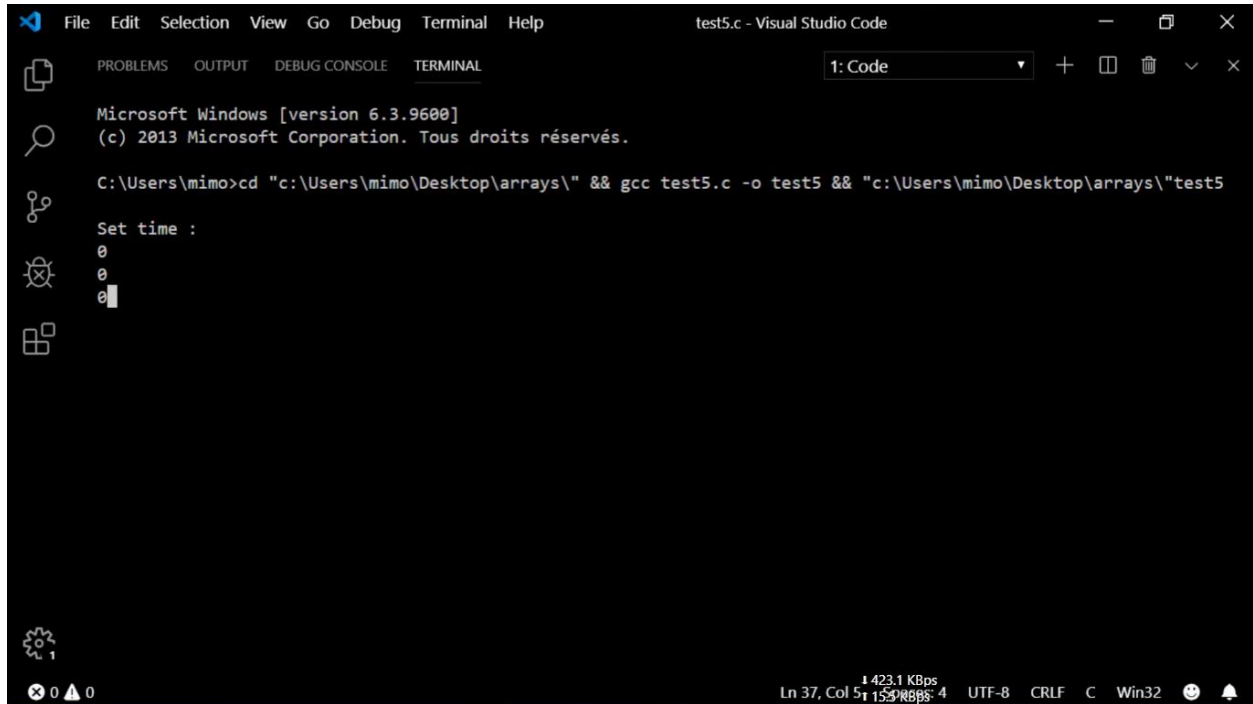


# DIGITAL WATCH

## SOURCE CODE :

```
#include <stdio.h>
#include <windows.h>
int main()
{
    int h,m,s;
    int d=1000; //Added a delay of 1000 milliseconds and we will use
it in the function sleep
    printf("Set time : \n");
    scanf("%d %d %d",&h,&m,&s);
    if(h>12 || m>60 || s>60)
    {
        printf("ERROR ! \n");
        exit(0);
    }
    while(1) //This is an infinite loop and anything inside will
repeat itself to infinity
    {
        s++;
        if(s>59)
        {
            m++;
            s=0;
        }
        if(m>59)
        {
            h++;
            m=0;
        }
        if(h>12)
        {
            h=1;
        }
        printf("\n Clock :");
        printf("\n %02d:%02d:%02d",h,m,s); //This writes our time in
this format 00:00:00
        Sleep(d); //The function sleep slows down the while loop and
make it more like a real clock
        system("cls"); //This clears the screen
    }
}
```

## OUTPUT SCREEN :

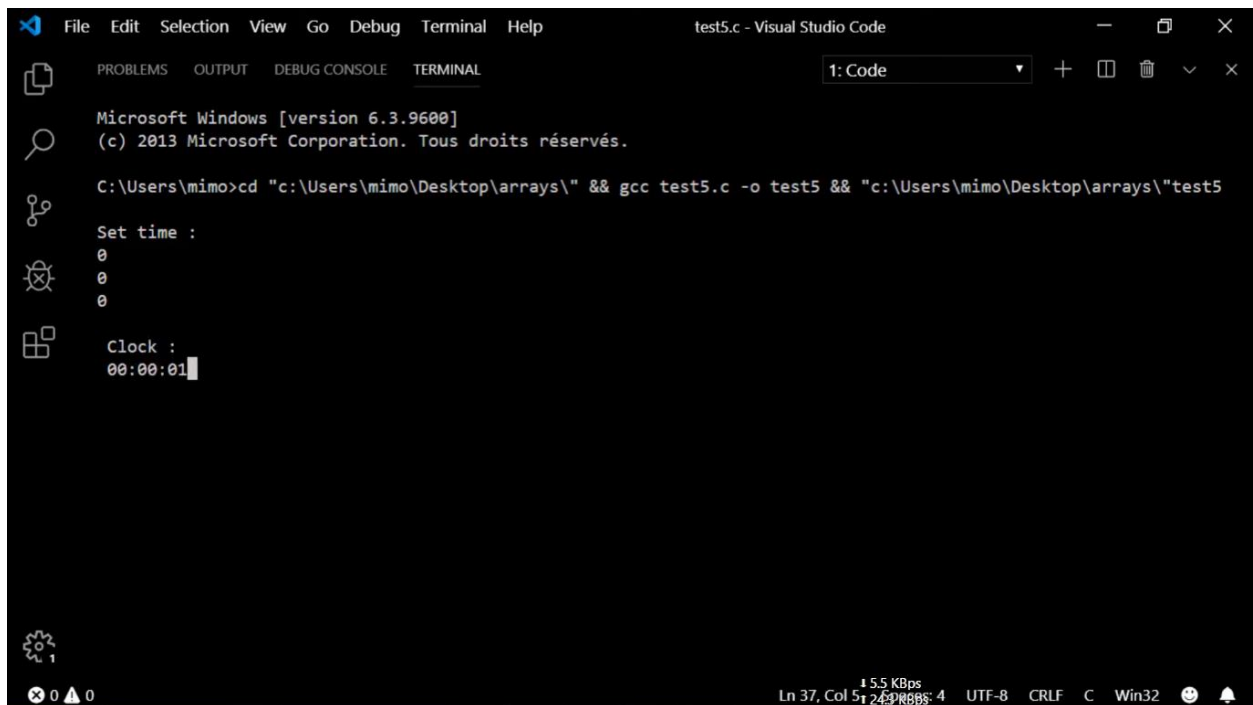


The screenshot shows the Visual Studio Code interface with the 'Terminal' tab active. The terminal window displays the output of a C program. The first line is the Windows version information: 'Microsoft Windows [version 6.3.9600] (c) 2013 Microsoft Corporation. Tous droits réservés.' The second line is the command prompt showing the current directory and the command to compile and run a C program: 'C:\Users\mimo>cd "c:\Users\mimo\Desktop\arrays\" && gcc test5.c -o test5 && "c:\Users\mimo\Desktop\arrays\test5'. The third line is the program's output: 'Set time :'. The fourth line is the program's output: '0'. The fifth line is the program's output: '0'. The sixth line is the program's output: '0'. The status bar at the bottom shows 'Ln 37, Col 51', '15.5 KBps', '4', 'UTF-8', 'CRLF', 'C', 'Win32', and a smiley face icon.

```
Microsoft Windows [version 6.3.9600]
(c) 2013 Microsoft Corporation. Tous droits réservés.

C:\Users\mimo>cd "c:\Users\mimo\Desktop\arrays\" && gcc test5.c -o test5 && "c:\Users\mimo\Desktop\arrays\test5

Set time :
0
0
0
```



The screenshot shows the Visual Studio Code interface with the 'Terminal' tab active. The terminal window displays the output of a C program. The first line is the Windows version information: 'Microsoft Windows [version 6.3.9600] (c) 2013 Microsoft Corporation. Tous droits réservés.' The second line is the command prompt showing the current directory and the command to compile and run a C program: 'C:\Users\mimo>cd "c:\Users\mimo\Desktop\arrays\" && gcc test5.c -o test5 && "c:\Users\mimo\Desktop\arrays\test5'. The third line is the program's output: 'Set time :'. The fourth line is the program's output: '0'. The fifth line is the program's output: '0'. The sixth line is the program's output: '0'. The seventh line is the program's output: 'Clock :'. The eighth line is the program's output: '00:00:01'. The status bar at the bottom shows 'Ln 37, Col 51', '15.5 KBps', '4', 'UTF-8', 'CRLF', 'C', 'Win32', and a smiley face icon.

```
Microsoft Windows [version 6.3.9600]
(c) 2013 Microsoft Corporation. Tous droits réservés.

C:\Users\mimo>cd "c:\Users\mimo\Desktop\arrays\" && gcc test5.c -o test5 && "c:\Users\mimo\Desktop\arrays\test5

Set time :
0
0
0

Clock :
00:00:01
```



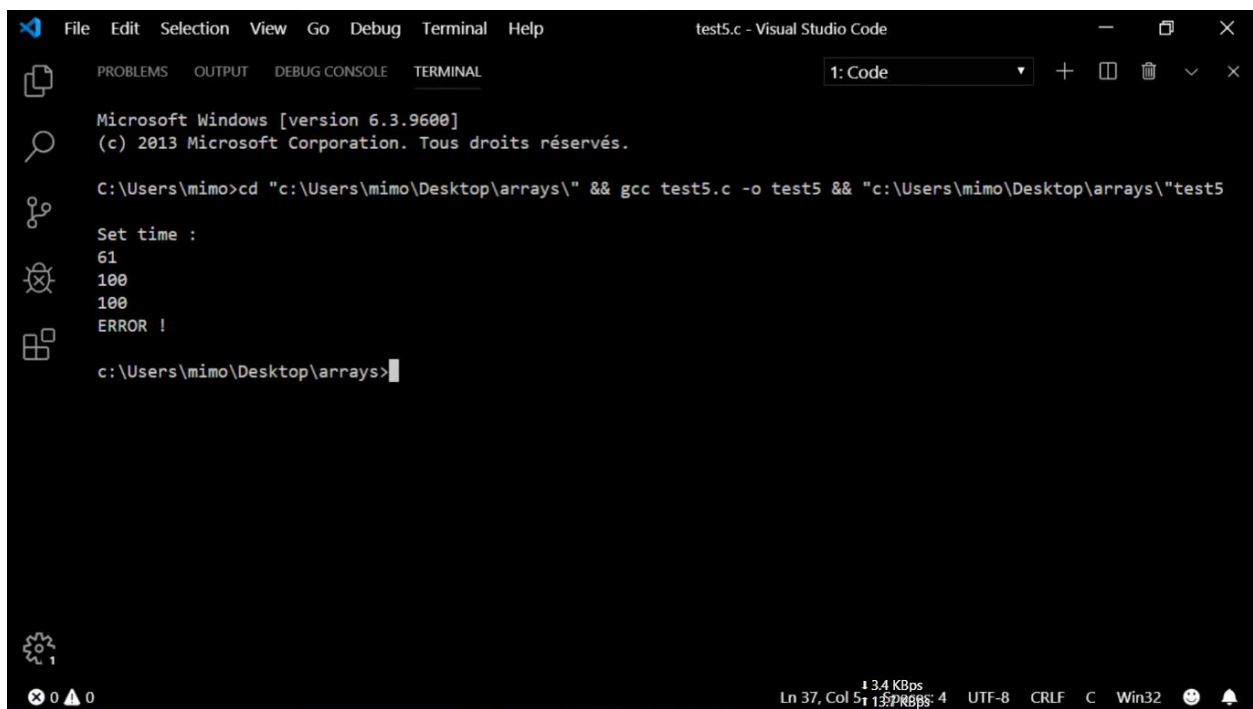
test5.c - Visual Studio Code

1: Code

Clock :  
00:00:02

Ln 37, Col 51 3.0 KBps 8.4 KBps 4 UTF-8 CRLF C Win32

This screenshot shows the Visual Studio Code interface with the terminal panel active. The terminal displays the output of a program, which is a clock showing "00:00:02". The status bar at the bottom indicates the current line and column (Ln 37, Col 51) and the file encoding (UTF-8, CRLF).



test5.c - Visual Studio Code

1: Code

Microsoft Windows [version 6.3.9600]  
(c) 2013 Microsoft Corporation. Tous droits réservés.

C:\Users\mimo>cd "c:\Users\mimo\Desktop\arrays\" && gcc test5.c -o test5 && "c:\Users\mimo\Desktop\arrays\"test5

Set time :  
61  
100  
100  
ERROR !

c:\Users\mimo\Desktop\arrays>

Ln 37, Col 51 3.4 KBps 13.7 KBps 4 UTF-8 CRLF C Win32

This screenshot shows the Visual Studio Code interface with the terminal panel active. The terminal displays the output of a Windows command prompt session. The user has navigated to the directory "c:\Users\mimo\Desktop\arrays\" and compiled the program "test5.c" into "test5". The program output shows "Set time : 61 100 100 ERROR !". The status bar at the bottom indicates the current line and column (Ln 37, Col 51) and the file encoding (UTF-8, CRLF).