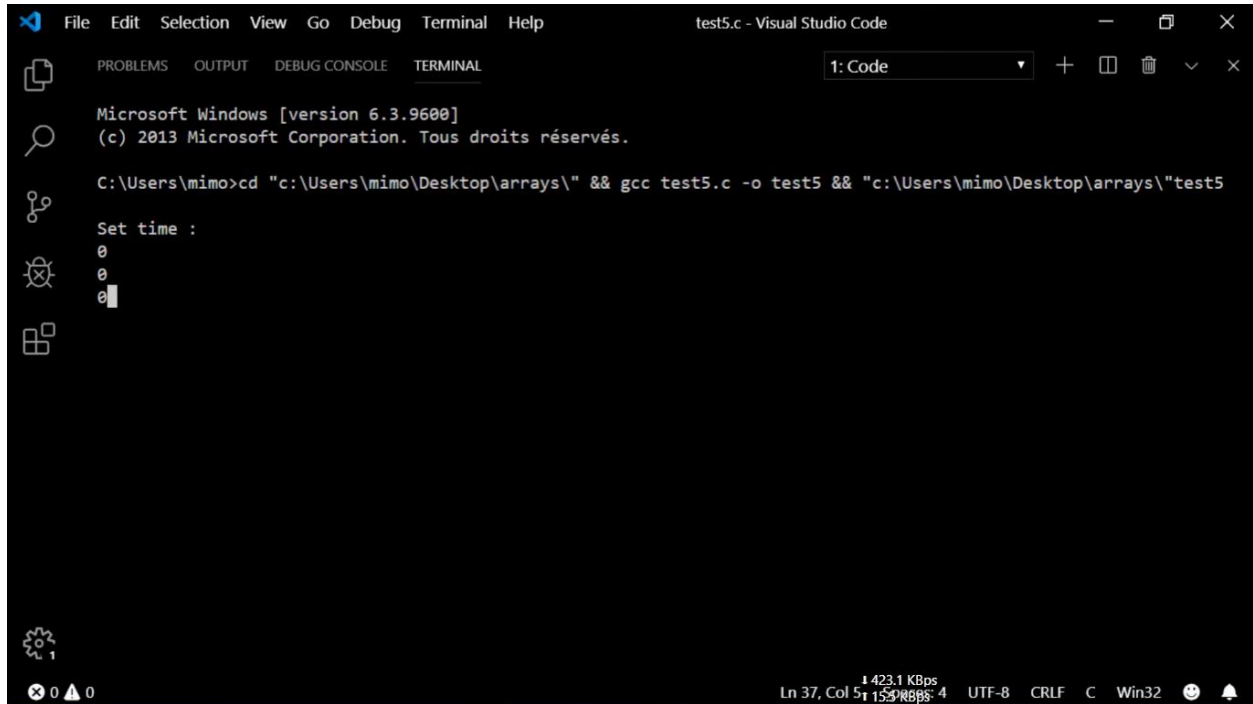# DIGITAL WATCH

SOURCE CODE :

```c
#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
    }
}
```
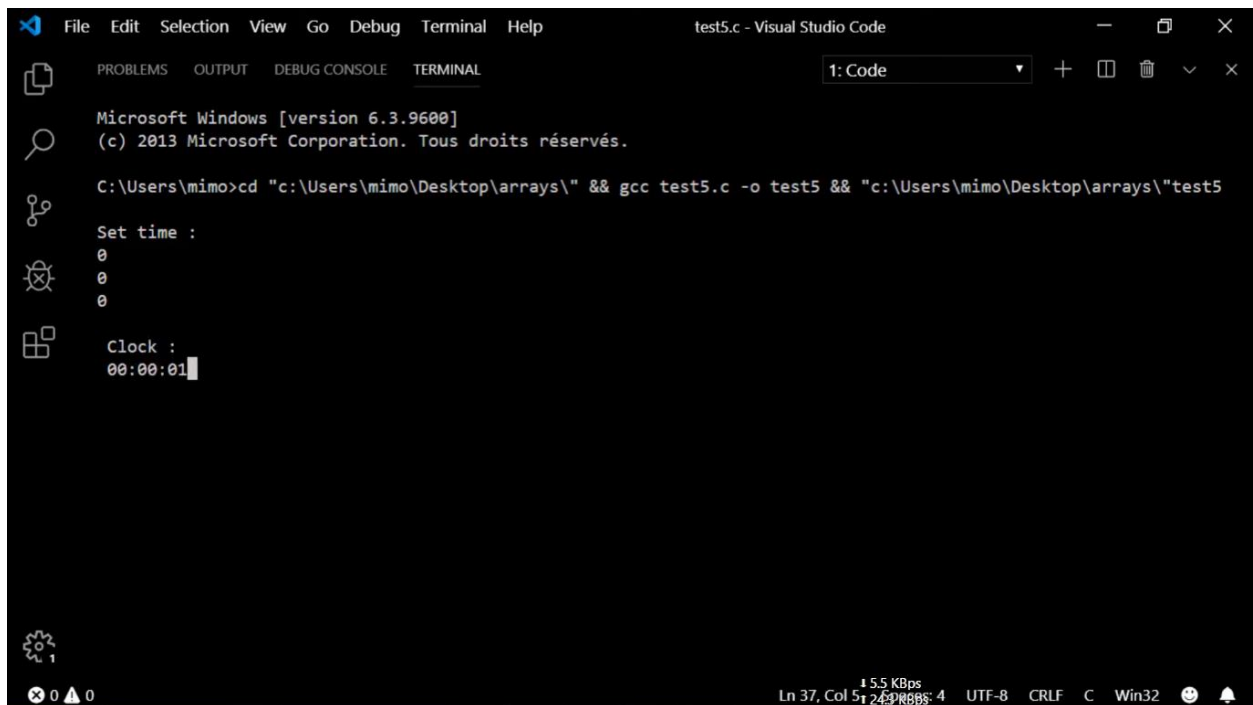
OUTPUT SCREEN :

Clock :
00:00:02

Ln 37, Col 5   Spaces: 4   UTF-8   CRLF   C   Win32   😊   🔔
↓ 3.0 KBps
↑ 8.4 KBps

⊗ 0 ⚠ 0

Microsoft Windows [version 6.3.9600]
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C:\Users\mimo>cd "c:\Users\mimo\Desktop\arrays\" && gcc test5.c -o test5 && "c:\Users\mimo\Desktop\arrays\"test5
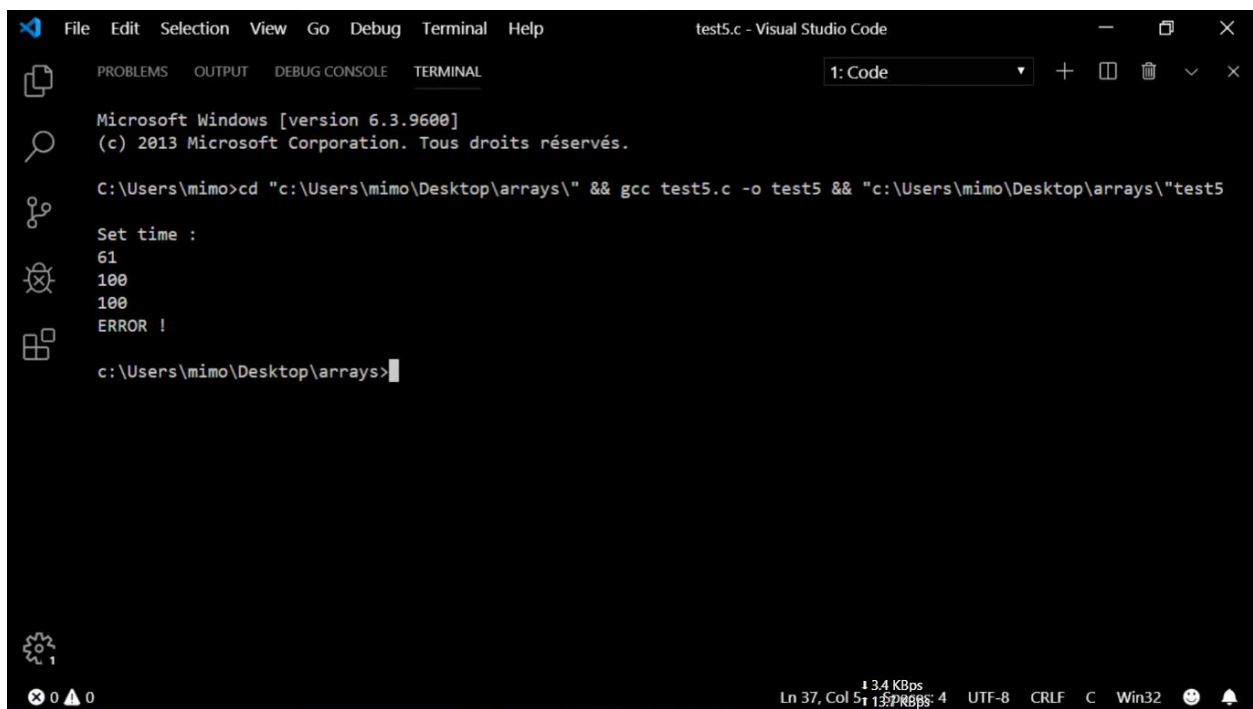
Set time :
61
100
100
ERROR !

c:\Users\mimo\Desktop\arrays>

Ln 37, Col 5   Spaces: 4   UTF-8   CRLF   C   Win32   😊   🔔
↓ 3.4 KBps
↑ 13.7 KBps

⊗ 0 ⚠ 0