

Very strange problem using FWRITE() to write data to a binary file

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leonecla_at_yahoo.it

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Hi everybody,

I'm facing a very very strange problem with a very very simple C program...

My goal should be to write to a binary file some numbers (integers), each one represented as a sequence of 32 bit.

I made this stupid trial code:

```
-----  
FILE *fout;  
int w;  
  
main()  
{  
  f_out = fopen("data_8bit.bin", "wb");  
  if(f_out == NULL)  
    /* error signaling and exit */  
  else  
  {  
    w = 0x17070707;  
    fwrite(&w, sizeof(w), 1, f_out);  
    fclose(f_out);  
  }  
}
```

If I execute this code (compile with Visual Studio 6) and then open the "data_8bit.bin" file (inside the Visual Studio), it is displayed as a binary file, and I can see the data "07 07 07 17". It is correct.

Now, if in the code above I assign to w the value 0x07070707 (instead of 0x17070707), execute the code and open the "data_8bit.bin", it contains no more binary data...

The same happens with 0x99999999, for example.

This behavior seems extremely strange to me... I think that the fwrite() should work with any value of 32 bit assigned to the integer

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w... but instead it shows an almost "random" (to me) behavior.

Can anyone help me?

Today I lost the whole day facing this problem, without making any step forward.

Thank you a lot.

Best regards.

Claudio