Basic C Cheat Sheet

Cheatography

by hugo.buissez via cheatography.com/93351/cs/20624/

Function prototype	
<pre>int main(argc, **argv) {</pre>	
int age = 19;	
printf("I'm %d years	
<pre>old\n", age);</pre>	
return 0;	
}	

%*d* formatting correspond to the (only) parrameter after the comma *age*. This function must return an int (specify in prototype).

Low level programming
Fast and memory efficient
Powerfull
Direct contact with hardware
More control
Machine dependent 🖷
Unsafe 🖷
Requires a high level of knowledge 🖷
Difficult to developp and debug 🖷



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Type formating		
signed char	%с	
unsigned char	%с	
short signed int	%d	
short unsigned int	%u	
singed int	%d	
unsigned int	%u	
long signed int	%ld	
long unsigned int	%lu	
float	%f	
double	%lf	
long double	%Lf	
Compiler - gcc		
\$ gcc -Wall -Wextra -Werror -O3		
-o name_exe name_c_file.c		
\$ ls		
<pre>name_exe name_c_file.c</pre>		
\$./name_exe		
First command to compile (cpp, gcc, as, ld) and second to launch your executable file.		

Best text editor / IDE for C
Vim 👌
Sublime Text
Emacs
Visual Studio Code
CLion
CodeBlocks
XCode 🗯
Atom

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