Contents

	About the author, David Haskins	7
	Introduction	9
	Setting up your System	12
1	Hello World	14
1.1	Hello Program 1	14
1.2	Hello Program 2	15
1.3	Hello Program 3	18
1.4	Hello Program 4	20
1.5	Hello World conclusion	23
2	Data and Memory	24
2.1	Simple data types?	24
2.2	What is a string?	28



C Programming in Linux		Contents
2.3	What can a string "mean"	29
2.4	Parsing a string	32
2.5	Data and Memory – conclusion	34
3	Functions, pointers and structures	36
3.1	Functions	36
3.2	Library Functions	38
3.3	A short library function reference	39
3.4	Data Structures	41
3.5	Functions, pointers and structures – conclusion	44
4	Logic, loops and flow control	45
4.1	Syntax of C Flow of control	45
4.2	Controlling what happens and in which order	46
4.3	Logic, loops and flow conclusion	56
5	Database handling with MySQL	57
5.1	On not reinventing the wheel	57
5.2	MySQL C API	57



Discover the truth at www.deloitte.ca/careers





6	Graphics with GD library	61
6.1	Generating binary content	61
6.2	Using TrueType Fonts	63
6.3	GD function reference	65
7	Apache C modules	69
7.1	Safer C web applications	69
7.2	Adding some functionality	72
7.3	Apache Modules Conclusion	73
8	The Ghost project	74
8.1	A PHP web site generator project	74
12	Conclusion	80

SIMPLY CLEVER ŠKODA



Do you like cars? Would you like to be a part of a successful brand? We will appreciate and reward both your enthusiasm and talent. Send us your CV. You will be surprised where it can take you.

Send us your CV on www.employerforlife.com

