Intro to Modern C++ Course Outline

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Week 1: From Code to Execution

1	Introduction to C++	2
2	C++ Developer Tools 2.1 Text Editor 2.2 Compiler 2.3 Hello, World!	2 2 3 3
3	The C++ Build Process 3.1 Source Code	4 4 4 5 5
4	4.1 Types and Variables	6 6 7
	Week 2: C++ Control Flow Essentials	
1	Functions	2
2	Scope	3
3	Conditions and Branches 3.1 Boolean Statements 3.2 if Statements 3.3 Ternary Operator 3.4 switch Statements	4 4 5 6 6
4	Loops 4.1 while Loops	7 7 8
5	v	9 9 10 10
	Week 3: All About Memory	
1	Pointers 1.1 Basics of Pointers	2 2 3

	1.3	Pointers to Pointers								•				
2	\mathbf{Ref}	erences												
3	Arr	ays												
4		mory Segments												
	4.1	Text Segment												
	4.2	Static Memory												
	4.3	Heap Memory						 						
	4.4	Stack Memory		_										