



























Escape Sequence	Description
\n	Newline. Position the screen cursor to the beginning of the next line.
\t	Horizontal tab. Move the screen cursor to the next tab stop.
\r	Carriage return. Position the screen cursor to the beginning of the current line; do not advance to the next line.
\a	Alert. Sound the system bell.
\\	Backslash. Used to print a backslash character.
/ "	Double quote. Used to print a double quote character.











Decision M Operators	laking: Eq	luality and	Relational
Standard algebraic equality operator or relational operator	C++ equality or relational operator	Example of C++ condition	Meaning of C++ condition
Relational operators			
>	>	х > у	x is greater than y
<	<	х < у	x is less than y
≥	>=	х >= у	\mathbf{x} is greater than or equal to \mathbf{y}
≤	<=	х <= у	\mathbf{x} is less than or equal to \mathbf{y}
Equality operators			
=		х == у	x is equal to y
≠	!=	x != y	x is not equal to y

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< l>	•					
7)	0	,				
•	C++ keyword	as				
	- Cannot be us	ed as identit	fiers or v	ariable names		
	- Califiot be us	·		in lable fiames		
	CTT Reywords					
	Keywords common to the					
	C and C++ programming languages					
	auto	break	case	char	const	
	continue	default	do	double	else	
	enum	extern	float	for	goto	
	if	int	long	register	return	
	short	signed	sizeof	static	struct	
	switch	typedef	union	unsigned	void	
	volatile	while				
	C++ only keywords					
	asm	bool	catch	class	const_cast	
	delete	dynamic_cast	explicit	false	friend	
	inline	mutable	namespace	new	operator	
	private	protected	public	reinterpret_cast		
	static_cast	template	this	throw	true	
	try	typeid	typename	using	virtual	
	wchar_t					

























1	// Fig. 2.9: fig02_09.cpp	Outline	
2	// Class average program with sentinel-controlled repetition.		
3	#include <iostream></iostream>	V	
4		fig02 09.cpp	
5	using std::cout;	(1 of 3)	
6	using std::cin;	(1 01 5)	
7	using std::endl;		
8	using std::fixed;		
9			
10	#include <iomanip> // parameterized stream manipulators</iomanip>		
11			
12	using std::setprecision; // sets numeric output precision		
13			
14	// function main begins program execution		
15	int main()		
16	{ Data type double used to represent		
17	int total; // sum of grades decimal numbers.		
18	int gradeCounter; // number of grades entered		
19	int grade; grade value		
20			
21	double average; // number with decimal point for average		
22			
23	// initialization phase		
24	total = 0; // initialize total		
25	gradeCounter = 0; // initialize loop counter		
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