Exercise 2.5

Table 1: C++ Literal Type Analysis

Label	Literal	Type	Description
`(a)`	'a'	char	char literal(single quote)
	L'a'	wchar_t	wide char literal(L prefix + single quote)
	"a"	const char[]	string literal(double quote)
	L"a"	const wchar_t[]	wide string literal(double quote + L prefix)
`(b)`	10	int	decimal integer literal
	10u	unsigned int	unsigned decimal integer literal(u suffix)
	10L	long	long decimal integer literal(L suffix)
	10uL	unsigned long	unsigned long decimal integer literal(u+L suffix)
	012	int	octal integer literal(0 prefix)
	0xC	int	hexadecimal integer literal(0x prefix)
`(c)`	3.14	double	double precision floating point literal
	3.14f	float	single precision floating point literal(f suffix)
	3.14L	long double	long double precision floating point literal(L suffix)
`(d)`	10	int	decimal integer literal(default)
	10u	unsigned int	unsigned decimal integer literal(u suffix)
	10.	double	double precision floating point literal(default)
	10e-2	double	double precision floating point literal($10 * 10^2 = 0.1$)