BASIC INPUT/OUTPUT IN C++

- C++ comes with libraries which helps us in performing input/output. In C++ sequence of bytes corresponding to input and output are commonly known as **streams**.
- **Input Stream:** Direction of flow of bytes takes place from input device(for ex Keyboard) to the main memory.
- **Output Stream:** Direction of flow of bytes takes place from main memory to the output device (for example Display)

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LIST OF RESERVED KEYWORDS IN C++

- This is a list of keywords reserved in C++.
- Since they are used by the language itself, these keywords are not available for re-definition or overloading.
- In short, you cannot create a variable with these names

alignas (since C++11)	default(1)	register(2)
alignof (since C++11)	delete(1)	reinterpret_cast
and	do	requires (since C++20)
and_eq	double	return
asm	dynamic_cast	short
atomic_cancel (TM TS)	else	signed
atomic_commit (TM TS)	enum	sizeof(1)
atomic_noexcept (TM TS)	explicit	static
auto(1)	export(1)(3)	static_assert (since C++11)
bitand	extern(1)	static_cast
bitor	false	struct(1)
bool	float	switch
break	for	synchronized (TM TS)
case	friend	template
catch	goto	this
char	if	thread_local (since C++11)
char8_t (since C++20)	inline(1)	throw
char16_t (since C++11)	int	true
char32_t (since C++11)	long	try
class(1)	mutable(1)	typedef
compl	namespace	typeid
concept (since C++20)	new	typename
const	noexcept (since C++11)	union
consteval (since C++20)	not	unsigned
constexpr (since C++11)	not_eq	using(1)
constinit (since C++20)	nullptr (since C++11)	virtual
const_cast	operator	void
continue	or	volatile
co_await (since C++20)	or_eq	wchar_t
co_return (since C++20)	private	while
co_yield (since C++20)	protected	xor
decltype (since C++11)	public	xor_eq
	reflexpr (reflection TS)	

DATA TYPE SIZE AND RANGE IN C++ *(FOR G++ 64 BIT)*

DATA TYPE	SIZE (IN BYTES)	RANGE
short int	2	-32,768 to 32,767
unsigned short int	2	0 to 65,535
unsigned int	4	0 to 4,294,967,295
int	4	-2,147,483,648 to 2,147,483,647
long int	4	-2,147,483,648 to 2,147,483,647
unsigned long int	4	0 to 4,294,967,295
long long int	8	-(2^63) to (2^63)-1
unsigned long long int	8	0 to 18,446,744,073,709,551,615
signed char	1	-128 to 127
unsigned char	1	0 to 255
float	4	
double	8	
long double	12	
wchar_t	2 or 4	1 wide character