1/02/2023 (Important boints)

- 1) C++ is a middle level language 2 middle level language has both features of high level and low level language.
 - 2) Namespaces are used to avoid naming collisions.
 - 3) C is also middle level language.
- 4) There can be nested namespaces as well i'e one namespace within another namespace 5td namespace has many other namespace inside it such as chrono, exception etc.
 - 5) Whenever we place anything inside the double inverted commas, it is called as string.

"Hello"

Hello is a string.

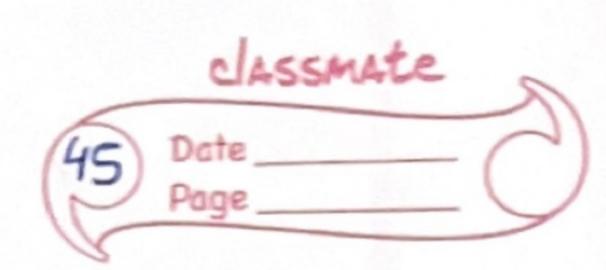
- 6) There are various directives such as # include, using etc. & directives will be discussed in detail when we will be studying macros.
- 7) Char char = 'b';

 This gives an evror as we can not use the reserved key word as the name of variable.
- 8) Some variable name conventions

 → meaningful name
 - We can use camel case.

num Of Student 3 camel case

cout < < diff;



-	- Start with lowercase letter.		
-	-> Don't same variable name again &		
	again. declare		
	int $a = 5$;		
		7 +1 (51	
	int a = 3; //Multiple declarations		
	are not allowed.		
		and the last terms of the last	
9>	Short -> 2 bytes max number is 216-1 Short a = 216-1;		
	Short a = 216 -1;		
	Short b = 10;		
	short sum = a+b; cout <<		
	What will be the olp of sum? cycle		
/	The termination of the state of		
	$2^{16}-1=65535$ $65535+10=9$ repeated		
	and when some the entrone become the soundly		
	do rile diduintino		
0)	int $a = 5$	float f = 2.0 + sum;	
	char b = 'd';	cout << f;	
	int sum = a + b;		
	cout < sum;	f = 2.0 + 105 = 107.0	
	Sum = 5 + 100 = 105	here o will be	
		ignored & hence	
	output will be 105	answer will be	
		107-0 Will also	
		be correct answer	
11)	float f = 2.7j		
	int n = 157;		
	int diff = n-f;		

	Toge I
	157-2.7=154.3
	Now only integer part will selected and
	Now only integer part will selected and hence 154 is the right answer.
12)	if ()
	cout << "Hello";
	The above will work if only single line is written.
	written.
	if () li
	cout << "Hello"
	cout << "Hi"
	Samue is Avoid to the second s
1111	Hello will come under the scope of if & rest will not.
	However it is good practice to use curly braces whether I line or multiple lines.
	to the state of th