

## Technology: Introduction to Programming in C++

### binary number

a number in the base 2 number system.

<https://www.youtube.com/watch?v=qdFmSIFojIw>

### bit

a binary digit.

<https://www.youtube.com/watch?v=qdFmSIFojIw>

### byte

8 bits.

<https://www.merriam-webster.com/dictionary/byte>

### cast

to convert from one data type to another.

[https://en.wikipedia.org/wiki/Type\\_conversion](https://en.wikipedia.org/wiki/Type_conversion)

### class

an extensible program-code template for making objects.

[https://en.wikipedia.org/wiki/Class\\_%28computer\\_programming%29](https://en.wikipedia.org/wiki/Class_%28computer_programming%29)

### conditional operator

an operator used to construct a conditional test.

[https://en.wikipedia.org/wiki/Conditional\\_\(programming\)](https://en.wikipedia.org/wiki/Conditional_(programming))

### conditional test

a comparison operation that produces a true or false result.

[https://en.wikipedia.org/wiki/Conditional\\_\(programming\)](https://en.wikipedia.org/wiki/Conditional_(programming))

### constructor

initializes an object when it is created.

[https://en.wikipedia.org/wiki/Constructor\\_\(object-oriented\\_programming\)](https://en.wikipedia.org/wiki/Constructor_(object-oriented_programming))

### for

used to set the conditions for repeating a loop.

[https://en.wikipedia.org/wiki/For\\_loop](https://en.wikipedia.org/wiki/For_loop)

### hexadecimal number

a number in the base 16 number system.

<https://www.youtube.com/watch?v=LpuPe81bc2w>

### if

used for conditional execution.

[https://en.wikipedia.org/wiki/Conditional\\_\(programming\)](https://en.wikipedia.org/wiki/Conditional_(programming))

### inheritance

making a new object by using an existing object and changing or adding capabilities.

[http://www.tutorialspoint.com/cplusplus/cpp\\_inheritance.htm](http://www.tutorialspoint.com/cplusplus/cpp_inheritance.htm)

### keyword

a word reserved for special use in a programming language.

[https://en.wikipedia.org/wiki/Keyword\\_\(computer\\_programming\)](https://en.wikipedia.org/wiki/Keyword_(computer_programming))

### loop

part of a program that repeats.

<http://www.webopedia.com/TERM/L/loop.html>

method

a set of instructions that perform a frequently needed task within a program.

[https://en.wikipedia.org/wiki/Method\\_%28computer\\_programming%29](https://en.wikipedia.org/wiki/Method_%28computer_programming%29)

object

an instance of a class.

[https://en.wikipedia.org/wiki/Object\\_\(computer\\_science\)](https://en.wikipedia.org/wiki/Object_(computer_science))

operator

the symbolic representation of an operation.

[https://en.wikipedia.org/wiki/Operator\\_\(programming\)](https://en.wikipedia.org/wiki/Operator_(programming))

operator overloading

assigning a symbolic operator (e.g., +) to your own method.

<http://www.studytonight.com/cpp/operator-overloading.php>

output statement

a statement that prints, outputs or displays information.

[http://www.cplusplus.com/doc/tutorial/basic\\_io/](http://www.cplusplus.com/doc/tutorial/basic_io/)

variable

something that can change value.

[https://en.wikipedia.org/wiki/Variable\\_\(mathematics\)](https://en.wikipedia.org/wiki/Variable_(mathematics))

variable

the name or symbol for specific data.

[https://en.wikipedia.org/wiki/Variable\\_\(mathematics\)](https://en.wikipedia.org/wiki/Variable_(mathematics))

while

used to specify the condition for repeating a loop.

[https://en.wikipedia.org/wiki/While\\_loop](https://en.wikipedia.org/wiki/While_loop)