

## Technology: Introduction to Computer Science

### 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>

### bitwise operator

An operator that works on the binary representation of values bit by bit.

[https://en.wikipedia.org/wiki/Bitwise\\_operation](https://en.wikipedia.org/wiki/Bitwise_operation)

### byte

8 bits.

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

### close

used to close a file.

<http://perldoc.perl.org/functions/close.html>

### 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))

cosine (cos), for right triangles: the ratio of the side adjacent the angle to the hypotenuse.

[https://en.wikipedia.org/wiki/Trigonometric\\_functions](https://en.wikipedia.org/wiki/Trigonometric_functions)

### decimal number

a number in the base 10 number system.

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

### 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))

### 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>

multiplicative inverse

the product of something and its multiplicative inverse is 1.

<http://www.coolmath.com/prealgebra/06-properties/09-properties-multiplicative-inverse-01>

octal number

a number in the base 8 number system.

<https://en.wikipedia.org/wiki/Octal>

open

used to open a file.

<http://www.perlfect.com/articles/perlfile.shtml>

operator

the symbolic representation of an operation.

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

output statement

a statement that prints, outputs, or displays information

<http://www.pageresource.com/cgirc/ptut3.htm>

radian

unit of angle measurement.

<http://www.mathsisfun.com/geometry/radians.html>

reciprocal

one divided by something.

<http://www.mathsisfun.com/reciprocal.html>

sine (sin), for right triangles: the ratio of the side opposite the angle to the hypotenuse.

[https://en.wikipedia.org/wiki/Trigonometric\\_functions](https://en.wikipedia.org/wiki/Trigonometric_functions)

subroutine

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

<https://en.wikipedia.org/wiki/Subroutine>

tangent (tan), for right triangles: the ratio of the side opposite the angle to the side adjacent the angle.

[https://en.wikipedia.org/wiki/Trigonometric\\_functions](https://en.wikipedia.org/wiki/Trigonometric_functions)

until

used to set the condition for a loop to stop repeating.

[http://www.tutorialspoint.com/perl/perl\\_until\\_loop.htm](http://www.tutorialspoint.com/perl/perl_until_loop.htm)

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)