

Technology: Introduction to Programming in Java

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

class

an extensible program-code template for making objects.

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

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.

<https://www.techopedia.com/definition/3226/inheritance-java>

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

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))

output statement

a statement that prints, outputs, or displays information.

<http://www.informit.com/articles/article.aspx?p=1706098&seqNum=3>

variable

something that can change value.

<http://mathbits.com/MathBits/Java/DataBasics/Printing.htm>

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