

Boa Constructor

a cross platform
Python IDE and
wxPython GUI Builder

character

treated as a string of
length one

class

a user-defined prototype
that accesses attributes
which characterize any
object in a block

close function

used to close the
entire function

Common Gateway Interface (CGI)

a gateway with standards
that tell us how information
is exchanged between the
web server and a custom
script

compiled languages

the entire source code file
is read and then converted
into an executable code, or
a machine level language

Coroutine

a function written to operate
as a task that processes a
sequence of inputs sent to it;
created by using the yield
statement as an expression

Datatypes

tell what kind of values can
be stored in a variable and
which operations can be
performed on each of them

dictionary

an associative array or hash table that contains objects indexed by keys; created by enclosing the values in curly braces

Eclipse PyDev

an advanced open
source IDE GUI; a
multi-level language
supporting platform

extension

any code that you write using
a compiled language, like C,
C++, or Java, and integrate
or import into another
Python script

FLOSS

free/libre/open-source
software; based on the
concept of a community
which shares knowledge

function

a block of organized,
reusable code which
performs a single related
action

Function overloading

the assignment of
more than one
behavior to a particular
function

generator

any function that uses
yield

identifier

used to identify a
module, function,
variable, class, or any
other objects

IDLE

has been wrapped together
with the default
implementation of Python
language; an optional part of
Python

Inheritance

a property used to transfer
or modify the
characteristics of the
original class to a new class

integrated development environment (IDE)

made up of a source
code editor, build
automation tools, and a
debugger

interpreted language

the source code text file is read line-by-line and each statement is converted into machine language and then executed before the next line is read

Komodo IDE and Edit

a full featured
developed
environment GUI

Lists

sequences of
arbitrary objects

match function

matches RE (regular
expression) pattern to a
string with optional flags

module

a file consisting of Python code, definitions, and statements; can define functions, classes, and variables; may contain runnable code

NetBeans IDE

a community driven
effort; a powerful open
source development
environment GUI

Number datatypes

store numeric values;
immutable datatypes

object

consists of internal data
and methods that perform
various kinds of operations
involving that data

object-oriented approach

program is built
around objects which
combine data and
functionality

open function

returns a new file
object

operator overloading

the assignment of
more than one
function to a particular
operator

package

a hierarchical file
directory structure that
defines a single Python
application environment

Polymorphism

a method signifying that the
meaning of an operation
depends on the type of the
objects or attributes being
operated on

print function

converts the expressions
and produces a standard
output format in a string

procedure-oriented programming

programs are built
around procedures or
functions

Python

developed by Guido van
Rossum; a high-level
programming,
interactive language

readline method

reads a single line of
input, including the
termination of newline

regular expression

a special sequence of
characters that helps you
match or find other strings or
sets of strings, using a
specialized syntax

Reserved words

should not be used as
constants, variables, or
identifiers; should be in
lowercase letters only

search function

searches for the initial
occurrence of the RE
pattern within a string
with optional flags

Stani's Python Editor (SPE)

a cross-platform IDE for Python
developed and managed by Stani
Michiels; free software that runs on
GNU/Linux, Mac OS X, and
Microsoft Windows

Strings

a set of characters in
between quotation marks;
can be enclosed in single,
double, and triple quotes

traceback message

indicates the type of
error that occurred,
along with its location

Tuples

created by enclosing a
group of values in
parentheses; the data
cannot be modified

user-defined functions

user created
functions

WingIDE

a commercially
created programming
language for Python

write function

used to write raw
data