

The Ruby Masterclass

Contents:

SECTION 1: Getting Started

1. Introduction to Ruby
 - About Dynamically Typed Nature
 - About Interpreted Nature
 - Pure Object Oriented Nature
 - Comparison with C
 - A bit about Ruby vs. Perl vs. Python vs. C++ and their similarities.
 - Philosophy.
 - introducing ruby-lang.org.
2. Installation of the latest version of Ruby on GNU/Linux, Windows and Android:
 - Arch / Arch Based systems, Fedora / CentOS / OpenSUSE systems, Debian / Debian based systems.
 - Installation of Ruby on Windows based systems – with Devkit.
 - Running Ruby on Android with Termux.

SECTION 2: Introduction to Standard Output and Interactive Ruby (REPL)

1. Printing A simple 'Hello World' to the standard output with ``puts`` method.
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7. Intro to the ``class`` method.
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2. +, -, *, /, % and other methods of Integer class.
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6. More methods on Float class: truncate, to_i, round, next_float, ceil, floor, zero? and more.
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8. The object_id methods on objects.
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[We will be using String and Integer / Float class for demonstration.]

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 - concat method.
 - Shovel operator (<<).
 - Efficient practices.
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10. Extract character(s) from string using Bracket Syntax [].
11. The slice method with various arguments.
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