What is Ruby?

Ruby is a strongly object-oriented language, which means that absolutely everything in Ruby is an object, even the most basic data types.

- It is simple & readable language

- Implemented based on python and perl

- Ruby follows convention over configuration and DRY

Convention Over Configuration and DRY

COC: The method names and variable names should match the logic

DRY: If same code implements 2 or more scenario used method & called method

Method Overloading & Method Overriding

Overloading: A class containing more methods with same name with different parameters

Overriding: Parent class and child class having same name with differnt functionalities. when you call, it executes parent class only.

RVM(Ruby version Manager)

It is a command line tool allows easily to install, manage & work with different ruby environments

sub VS gsub

sub: It will replace first matching item

Ex: I love cats. cats are great	O/p: I love dogs. cats are great

gsub: It will replace all matching item in sentence

Ex: I love cats. cats are great	O/p: I love dogs. dogs are great

Hash VS Array

Hash: Key-Value pair combination. Key should be unique

Array: Collection of stings, numbers. Index starts with '0'. It is Heterogenous

Include VS Extend

Include: We need objects to call methods

Extend: We dont need to objects to call methods, directly we can call with class.

Class VS Module

Class: Class is a blueprint of object

Module: It is collection of class

Procs VS lamda

Proc(Procedure): It is code block that stored in local variable, not in method.

Lamda: It is Short block of code which takes in parameters & returns value.

Self

- Self refers to current object instance

- It is used to access methods & variables within object itself.

nil vs false

nil: Object represents nothing or no value

false: Boolean value that explicitly represents falsehood.

puts vs print vs p

puts: Output a string with newline at end.

print: Output a string without newline

p: Output value is more readable form, shows exact values including quotes.