

A dynamic interpreted high-level Assignment in grandledge with focus on https://eduassistpro.githps.ductivity.

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CMPT 383 Summer 2022 SFU Surrey

# What wasignment Project Exam Help 1995?

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### 1995: First Appearance









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## 1995: Most Popular Console Video Game

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### 1995: Highest-Grossing Movie

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# 1995: Most Popular Song

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https://eduassistpro.gimgsta's Paradise,

# 1995 Facts





Jean Chretien: Canadian PM

SERIFCENTON: SAMERICAN PRESIDENT

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Dua Lipa and Post Malone ha edu\_assist\_pro





DVDs were invented



Starbucks introduced the Frappuccino

### Assignment Project Exam Help

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First release was version 0.95 in a Japa roup in December 1995.

## Ruby's Original Designer

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Yukihiro Matsumoto

### Ruby Can Get You a Job!



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## What's Ruby Good For?

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is the "killer app" for Ruby.

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Ruby is also a good a good choice for things that you might use Python for, such as scripting or text processing.

# What's Ruby Not so Good For?

- Ruby is generally not as efficient as C, C++,
  Rust, so it is not the best choice when
  performance is the primary concern.

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- Ruby does not provide https://eduassistpro.github.io https://eduassistpro.github.io checks, so it is easy to release code that aren't discovered until run-tim
- Ruby has many powerful features that can lead to clever code that can cause readability problems.

Measuring the performance of different programming languages is surprisingly difficult to do fairly. Check out

the Computer Language Ben ghmarks Game

Ruby was designed to improve the programmers experience, even at the cost of lower run-time performance and correctness.

## Major Features of Ruby

### Everything is an object

Much more object-oriented than languages like C++ or Java or Python Assignment Project Exam Help

### Interpreted

Easy to evaluate individu <a href="https://eduassistpro.github.io/">https://eduassistpro.github.io/</a>

Memory-safe and garbage-collected hat edu\_assist\_pro

No dangling pointers, no manual memory

### Flexible: Easy to Alter

Can add to and change many existing features

#### **Errors**

**Exception handling system** 

Monkey patching is when you change the how a program works a run-time. This is a possible technique in Ruby, with pros and cons.

## Major Features of Ruby

#### **Types**

Dynamically typed, i.e. types checked at run-time
New types can be created with classes Project Exam Help
Existing types can be exten
Symbols

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#### **Blocks**

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A practical way to deal with higher-order functions

#### **Text Processing**

**Built-in regular expressions** 

#### **Extensive Standard Library**

Many useful functions ready to use

Ruby is a feature-rich language, often with more than one way to do simple things.

## Major Features Not in Ruby

### Features **not** part of Ruby

```
No type declarations
No pointers Assignment Project Exam Help
```

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# Hello, World!

```
# hello_world.rb
Assignment Project Exam Hello, world.rb
Hello, world!

puts 'Hell https://eduassistpro.github.io/
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```

### Hello, World!

To launch Ruby interpreter: **\$ irb** 

```
irb(main):001:0> puts "Hello, world!"
Hello, world!
=> nil Assignment Project Exam Help
                   https://eduassistpro.github.io/
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>> puts "Hello, world!"
                                 We'll usually use a simplified
                                 prompt.
Hello, world!
=> nil
```