



Programming in



A presentation by:

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Introduction

History

Overview

Features

Application

job-role prospects

Industrial usages



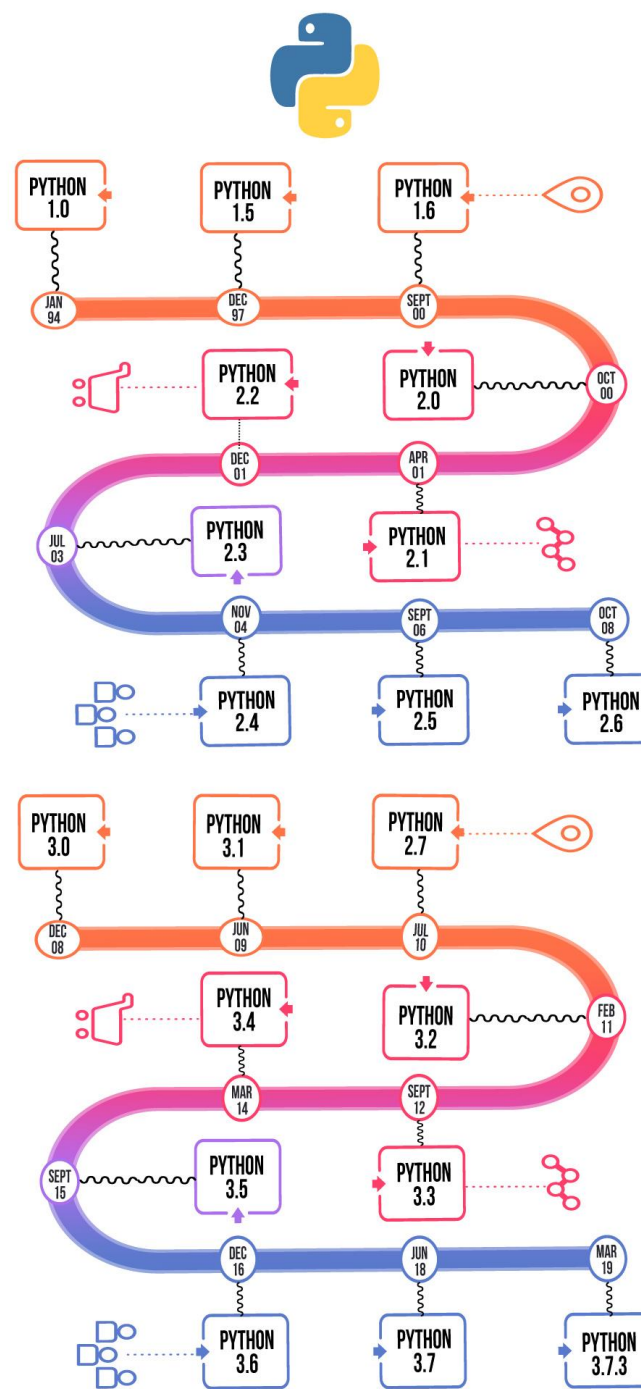
History

- ✓ Python project was conceived in late 1980's by Guido van Rossum at Centrum Wiskunde & Informatica (CWI) in the Netherlands as a successor to the ABC programming language, which was inspired by SETL, capable of exception handling and interfacing with the Amoeba operating system
- ✓ Jul 2018 Guido Van stepped down as sole head of Python Dev project and , thereafter in January 2019, active Python core developers elected a five-member "Steering Council" to lead the project.
- ✓ Python 2.0 was released on 16 October 2000, Python 3.0 was released on 3 December 2008.





Python Version releases timeline :





IS PYTHON THE FUTURE

```
function digital_post($post);  
global $orig_post;  
$orig_post = new WP_Query(  
    $cat_query1 = new WP_Query(  
        $cat_query1->have  
        "widget-posts">
```



Growth of Python as a preference towards programming language

Nov 2021	Nov 2020	Change	Programming Language		Ratings	Change
1	2	▲		Python	11.77%	-0.35%
2	1	▼		C	10.72%	-5.49%
3	3			Java	10.72%	-0.96%
4	4			C++	8.28%	+0.69%
5	5			C#	6.06%	+1.39%
6	6			Visual Basic	5.72%	+1.72%
7	7			JavaScript	2.66%	+0.63%
8	16	▲		Assembly language	2.52%	+1.35%
9	10	▲		SQL	2.11%	+0.58%
10	8	▼		PHP	1.81%	+0.02%

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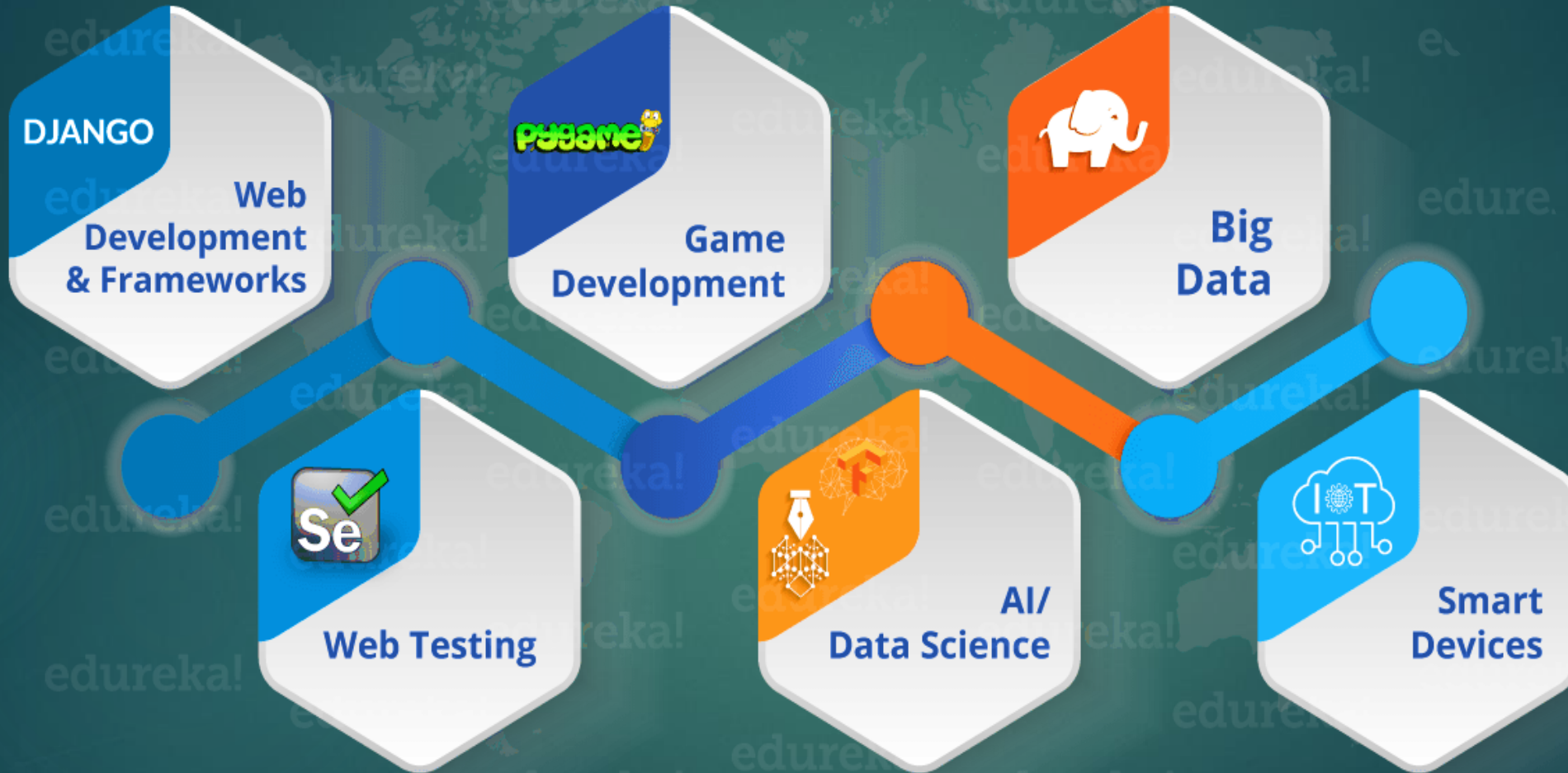


Applications scope of Python





Python : Job-Role prospects





Notable Web-Products developed using Python programming language in Industry





Features

- ✓ Easy to code
- ✓ Open Source
- ✓ Object-Oriented Language
- ✓ GUI Programming Support
- ✓ High-Level Language
- ✓ Python is Portable language
- ✓ Python is Integrated language
- ✓ Interpreted Language
- ✓ Large Standard Library
- ✓ Dynamically Typed Language



Overview

- ✓ Python is highly readable.
 - It uses English keywords frequently where as other languages use punctuation, and it has fewer syntactical constructions than other languages.
- ✓ **Python is Interpreted**
 - Python is processed at runtime by the interpreter. You do not need to compile your program before executing it. This is similar to PERL and PHP.
- ✓ **Python is Interactive**
 - You can actually sit at a Python prompt and interact with the interpreter directly to write your programs.
- ✓ **Python is Object-Oriented**
 - Python supports Object-Oriented style or technique of programming that encapsulates code within objects.
- ✓ **Python is a Beginner's Language**
 - Python is a great language for the beginner-level programmers and supports the development of a wide range of applications from simple text processing to WWW browsers to games.