

# 1 Introduction

The Python program is ranked first in the TIOBE index as the most searched-for programming language. It has also been ranked by the PYPL(which ranks programming languages across five different countries i.e U.S, India, United Kingdom, Germany and France) as the top programming language in all five countries. It is said to be one of the most convenient programming languages due to how uncomplicated it's syntax is'.

## 1.1 History and Founder

Python was designed by guido van rossum in february 20 1991 in the centrum wiskunde informatica(netherland)

**Additional Information** Guido Van Rossum is a Dutch computer programmer born on the 31st of January 1956. He also helped in the development of the ABC programming language and is said to have also created a web browser(GRAIL) that was written in Python. He has worked for multiple research institutes namely: Centrum Wiskunde Informatica(Netherlands) where he developed Python,National Institute for standards and technology(USA)and currently works with Microsoft.

# 2 Python

Python's formation began in the late 1980's as a continuation to the ABC project and was released in 1991, updated versions of the language has been released since then Python 2.0 released 16th October 2000 which supported Unicode and including a memory management(Garbage collector) Python 3.0 was released on 3rd December 2008 Amidst other sub-versions Python is mainly known for its easy syntax.It supports Object Oriented , Structured, aspect-oriented and functional programming, it is therefore said to be a multi-paradigm language.Python is a general purpose language(it can be used for different programs),it is often used to design websites and software,conduct data analysis and automating tasks. The Language rather than having all functions built in, is designed to have modules which makes it highly extensible.