**PYTHON:**

A popular programming language created by Guido Van Rossum and released in 1991.

**Uses:**

.Web Development (Server side/Backend)

.Mathematics

.System Scripting

**What python can do?**

.Can be used on a server to create Web Applications

.Used along software to create workflows

.Can connect to Database systems. Can also read and modify files

.Can be used to handle Big Data and perform complex Mathematics

.Can be used for rapid prototyping. For production-ready software development

**Why python is preferred**

**.I**t works on different platforms (Windows, Mac, Linux, Raspberry, Pi, etc.)

.Has simple syntax similar to English language

.Has syntax that allow developers to write programs with fewer lines than some other programming languages

.Python runs on interpreter systems, meaning code can be run as soon as it is written therefore making prototyping quick and easier

Python can be treated in a procedural way, object-oriented way or functional way.

N/B: Most recent version of python is python 3.

**Python Syntax compared to other programming languages**

.Python was declared for readability and has some similarities to the English Language with influence from Mathematics

.Python uses new lines to complete a command compared to other programming languages which use either semicolons or parentheses

* Python relies on indentation, using whitespace, to define scope; such as the scope of loops, functions and classes. Other programming Languages often use curly-brackets for this purpose