

## *CHAPTER 5*

# IMPLEMENTATION

### **5.1 Description of PYTHON3:**

Python is an easy to learn, powerful programming language. It has efficient high-level data structures and a simple but effective approach to object-oriented programming. Python's elegant syntax and dynamic typing, together with its interpreted nature, make it an ideal language for scripting and rapid application development in many areas on most platforms.

The Python interpreter and the extensive standard library are freely available in source or binary form for all major platforms from the Python Web site, <https://www.python.org/>, and may be freely distributed. The same site also contains distributions of and pointers to many free third party Python modules, programs and tools, and additional documentation.

### **FEATURES OF PYTHON3:**

- Advanced unpacking
- Keyword only arguments
- Chained exceptions
- Fine grained OSError subclasses
- Everything is an iterator
- No more comparison of everything to everything
- yield from
- difflib module
- Cluster storage engines

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## **5.2 Description of Integrated Development Environment (IDE) used for application:**

There is python installed by default in UBUNTU so no specific IDE used for designing the software, we used CLI to test and run the program.