**Coding Standards**

Coding standards as a set of rules,technical and best practices to create code with more readable and efficient code with minimum errors.

Coding standards are vital as it ensures the safety,reliability and security our our project.

The coding guidelines are important because most of the software cost goes towards maintenance. And also, the software is not always developed by a single developer. Therefore, maintaining a convention for writing software increases the readability of the program.

**Coding standards for java:**

* No blank lines should be present after opening a curly braces.
* naming conventions: The variables should be meaningful and one character variable names must be avoided.A constant variable is defined in the capital case.
* Curly braces: used to define the bodies of classes, methods, and loops.
* Indentation: The unit of indentation should be 4 spaces. Tab-stops should be set exactly every 8 spaces.
* White Space: White spaces also play a major part in readability as follows:

Operators should be surrounded by a space character.

Reserved words,Commas and colons of Java should be followed by white space.

* Comments: Java programs can have two types of comments. They are Implementation and Documentation.
* Documentation comments describe Java classes, interfaces, constructors, methods, and fields. They are delimited by /\*\*…\*/.
* Implementation Comments: Implementation comments are delimited by //.
* Class names start with an upper case letter.
* Variable names start with a lower case letter.
* Method names start with a lower case letter.
* Multi-word identifiers are internally capitalized.
* Do not use hyphens or underscores to separate multi-word identifiers.