**CHOOSING BEST GOLANG IDE FOR DEVELOPMENT**

IDE (Integrated Development Environment) is an interface that assist in the development of any application. Usually an IDE includes Code Editor, Compiler, Debugger and automation tools. If IDEs are not available, a developer will have to do development, deployment and integrations separately. An IDE makes it possible to focus on the code rather than all the infinite technical know-how which would likely take all the fun out of coding.

Most widely used IDEs are Visual Studio, Jupyter, netbeans, Pycharm, Eclipse, etc.

Now coming to GOLANG, it is not dependent on any specific IDE. Golang’s libraries and language works well with most of the commonly used IDES. Usually it works directly or via a 3rd party plug-ins. Some of the IDEs used for Golang are as follows:

1] **GoLAND –**

It is one of the most advanced IDE for Golang. It includes code refactoring tools and can also generate code. It has a good error detection and suggestion mechanism. Goland also provides tools for debugging and performance testing. It is not free though and has a paid version post trial period.

2] **LiteIDE**

This one is the official IDE for Go from Google itself. The distinct features include debug mode or sandbox mode. As name suggests it is very light on computer resources and easy use. This is free to download and use.

**3] VSCode**

VSCode from Microsoft is one of the very popular IDE amongst Go developers. It is an open source IDE and comes with all the tools and compatibility which makes it a favourite among developers. It is also successfully able to run Go server.

**4] Eclipse**

It is one of the oldest IDEs with plugin support for Golang with ability to set breakpoints for debugging purposes. It has both paid and free versions. It is rich in its features but at the same time is has heavy load on computer resources.

**5] Sublime Text**

It is very light on computer resources and has multiple features but it has an irritating feature in the form of a popup which reminds developers to buy license. So it can get annoying sometimes but if you are buying a paid version then you are good to go.