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**Assignment - 1 C Language LIVE Community Classes MySirG**

1. **Why do computers understand only binary language?**

**Ans.**  Computer understand only binary language because their components, specifically the electronic circuits , components are designed to work with binary language. Binary language is a system of information using representing into two symbol 0 and 1.

1. **What is the full form of IDE?**

**Ans.** In programming, “IDE” stands for ‘integrated development Environment. An IDE is a software application that provides a comprehensive set of tools and features, to assists the programmers in developing, testing, debugging software.

1. **What is the difference between a text editor and a code editor?**

**Text Editor.**

**Ans.** Text editor is a basic software application designed for creating and editing simple text files. It has not advanced features that required a programmer. Like, testing, syntax highlight etc**.**

**Code Editor.**

**Ans.** Code editor is a specialized software a tool that provide a advanced features to write a code for programmers. It offers some features that enhance the coding process and improve coding productivity**.**

1. **What are the steps to develop software using the C language?**

**Ans.** The following steps to develop software using the C language.

* Problem Definition and Analysis.
* Alogrithim design.
* Coding.
* Compilation.
* Linking.
* Testing and debugging.
* Documentation.
* Deployment.
* Maintenance and Updates.

1. **What is the latest version of C Language?**

**Ans.** The latest version of C language is C23.

1. **Who developed C language?**

**Ans**. The C programming language is developed by Dennis Ritchie at Bell labs in the early 1970s.

1. **What is the difference between System and Application Software?**

**Ans.** System software is a software that are control and manage a computer hardware and provide a platform for run effectively application software.

**Examples.**

* Operating system (Windows, macOS, Linux, Unix)
* Device Drivers (printer driver, graphic driver)
* Antivirus Software.

**Ans.** Application software is designed to perform a specific tasks and activities for end-user

Addressing their needs in various domains.

**Examples.**

* Microsoft word (word Processing)
* Adobe Photoshop (image editing)
* Excel (spreadsheet)
* Skype (information)

1. **How to convert a number from a decimal number system to a binary number**

**system?**

**Ans.** Converting a decimal number into Binary number involves a process of repeated division by 2 and keeping track of remainders.

**< ------------------------------------ Assignment NO 1 Completed------------------------------------------------->**