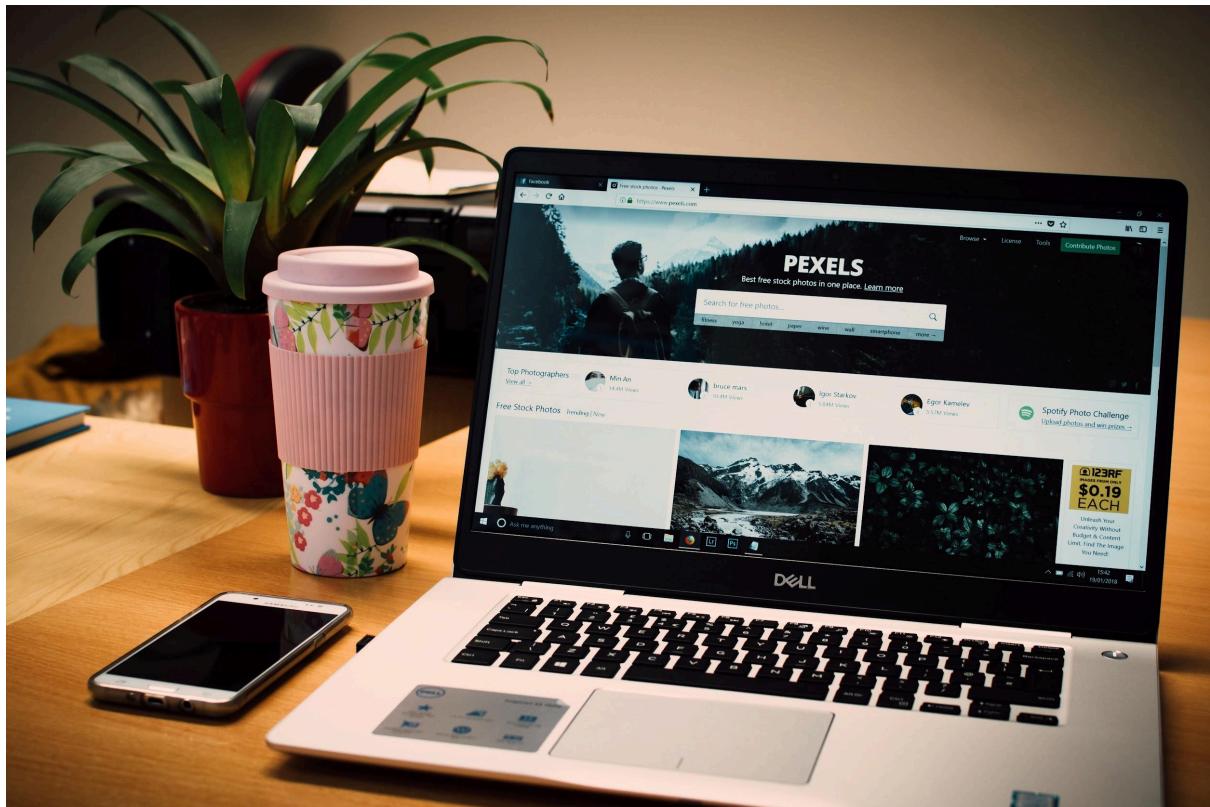# Computer Assignment

1.What is c language?

A.C language is general purpose, high-level programming language that was developed by Dennis Ritchie at Bell Labs in 1972.It is one of the most widely used programming language and is often called the "mother of all programming language"because many modern languages like C++,Java, and Python are based on its concepts.

2.What are the applications of c programming language?

A.i. C programming is used for developing system software,

operating systems, and embedded systems.

ii. C is used to create game engines.

iii. C is employed to create programs for devices and sensors of IOT.

iv. C is used to develop core components of operating systems such as window andLinux.

3.What is a variable?

A.A variable is a named storage location in a computer program that holds a value. This value can change during the program's

execution. Think of it like a container that can store different things at different times.

4.What are the different data types in c programming?
A.

*   int: Used for whole numbers (integers).
*   float: Used for single-precision floating-point numbers (numbers with decimals).
*   double: Used for double-precision floating-point

numbers (more precise decimals).

*   char: Used for single characters (like letters or symbols).

*   void: Represents the absence of a type.

5.What is format specifier?

A. A format specifier is a placeholder used in C programming to tell the compiler how to interpret and display different types of data when using functions like `printf` and `scanf`. For example, `%d` is used for

integers, `%f` for floats, and `%c` for characters.