

## ***Features of C Language***

***C is the widely used language. It provides many features that are given below.***

***1) Simple***

***2) Machine Independent or Portable***

***3) Mid-level programming language***

***4) structured programming language***

***5) Rich Library***

***6) Memory Management***

***7) Fast Speed***

***8) Pointers***

***9) Recursion***

***1) Simple***

*C is a simple language in the sense that it provides a structured approach (to break the problem into parts), the rich set of library functions, data types, etc.*

## ***2) Machine Independent or Portable***

*programs can be executed on different machines with some machine specific changes. Therefore, C is a machine independent language.*

## ***3) Mid-level programming language***

*Although, C is intended to do low-level programming. It is used to develop system applications such as kernel, driver, etc. It also supports the features of a high-level language. That is why it is known as mid-level language.*

## ***4) Structured programming language***

*C is a structured programming language in the sense that we can break the program into parts using functions. So, it is easy to understand and modify. Functions also provide code reusability.*

### ***5) Rich Library***

*C provides a lot of inbuilt functions that make the development fast.*

### ***6) Memory Management***

*It supports the feature of dynamic memory allocation. In C language, we can free the allocated memory at any time by calling the free() function.*

### ***7) Speed***

*The compilation and execution time of C language is fast since there are lesser inbuilt functions and hence the lesser overhead.*

## ***8) Pointer***

***C provides the feature of pointers. We can directly interact with the memory by using the pointers. We can use pointers for memory, structures, functions, array, etc.***

## ***9) Recursion***

***In C, we can call the function within the function. It provides code reusability for every function.***

***Thank you??***