**ASSIGNMENT 2**

***Q1. Which of the following are real constants?***

***3, ‘A’, 4.5, 3.0, ‘+’, -25, -0.0***

*Real constants are:*

*4.5, 3.0, -0.0*

***Q2. Which of the following are not keywords in C Language?***

***auto, dynamic, static, typedef, define, enum, is, default, this, super***

*There is total 32 keywords in C programming language. The keywords that are in C language are: dynamic, define, is, this, super.*

***Q3. Which of the following is not a valid variable name in C language?***

*Rules for defining a valid variable name are as follows:*

1. *A variable can have alphabets, digits, and underscore.*
2. *A variable name can start with the alphabet, and underscore only. It can’t start with a digit.*
3. *No whitespace is allowed within the variable name.*
4. *A variable name must not be any reserved word or keyword, e.g. int, goto, etc.*

***Q4. Can we make a variable with the name switch? (Yes or No)***

*No, we cannot make a variable with the switch name as switch is a keyword in C programming language.*

***Q5. Keywords are defined in the compiler or their meaning is stored in the library?***

*Keywords are also called “reserved words” as they have some specific use and their meaning is already defined for the compiler.*

*For ex - declaring a variable as*

*int i = 5;*

*With the above statement, the compiler gets to know the size, scope, value and type of the variable that is identified by “i”.*

***Q6. Where variables are created? (RAM, ROM, Secondary Storage or CPU)***

*Variables are usually stored in Ram. the global variables are stored on the heap and variables declared in functions/methods are stored on stacks. Heap and Stack are both RAM.*

***Q7. Who developed C Language?***

***C****,*[*computer programming language*](https://www.britannica.com/technology/computer-programming-language)*developed in the early 1970s by American computer scientist*[*Dennis M. Ritchie*](https://www.britannica.com/biography/Dennis-M-Ritchie)*at*[*Bell Laboratories*](https://www.britannica.com/topic/Bell-Laboratories)*.*

***Q8. When was the C language developed?***

*C came into being in the years 1969-1973, in parallel with the early development of the Unix operating system; the most creative period occurred during 1972.*

***Q9. What is the name of the operating system which is responsible for the inception of the C language?***

*Originally developed in the 1970s, Unix was one of the first operating systems to be written in the C language.*

***Q10. Whether C language is a high level or low level programming language?***

*C is a mid-level programming language*

*C is considered as a middle level language because it supports the feature of both low-level and high level language. C language program is converted into assembly code, supports pointer arithmetic (low level), but it is machine independent (feature of high level).*