

# ASSIGNMENT No. 1

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Que-1 What are the various data types used in 'C' language?

Ans- A data type specifies the range of values that a variable or constant can hold. It also specifies the how the value will be stored in the computer's memory.

Four classes of data supported by 'C' are -

- Primary data types
- User defined data types
- Derived data types
- Empty data set

## Data types in 'C'

Primary type	Data	User defined data types	Derived data types	Empty data set
	character integer float double	typedef enum	arrays functions structures pointers	void

Que-2 Define variables and constants.

Ans - VARIABLES:

A named storage location that may take different values is called a variable. Thus it is defined as name given to memory location. In this memory location, values are stored and they can vary.

```
example float b;      /* declaration */
        b = 5.5;      /* initialization */
```

CONSTANTS :

Those values which remains unchanged throughout the execution of program are called constants.

The meaning of constant is fixed. Its value which does not change. Constants can be stored in memory.

→ Types of Constants

1. Integer Constant
2. Real / Floating Point Constants
3. Character constant
4. String constant
5. Symbolic constant