

Scalar Data Types

Characters :-

Specification :-

A character data type provides data objects that have a single character as their value.

Set of values in character datatype depends upon hardware and operating system

like ASCII character set. And ordering of the characters in this character set is called **Collating Sequence**, and ordering given by the 'relational operations'.

Character set includes

- Spaces
- digits
- Special character \$, %, etc.

Operations on character data includes only

Relational operations

Assignment and

To test character for

- letter
- Digit
- Special character.

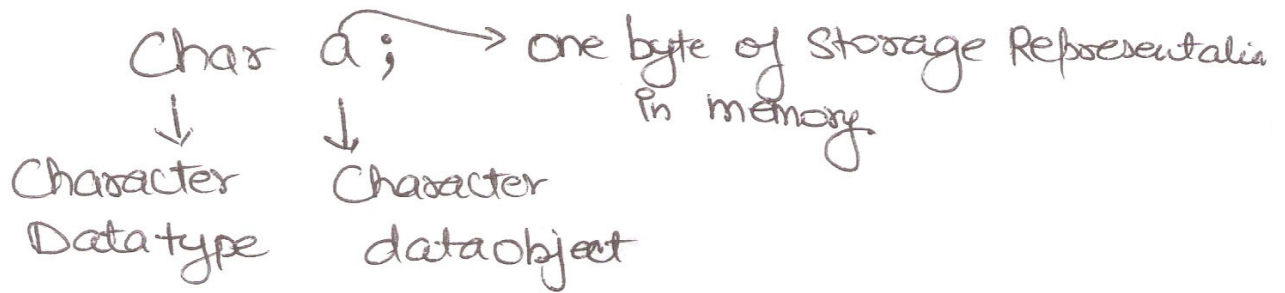
Implementation :-

Character data values are almost directly supported by the underlying hardware and operating system because

Computer Science Lectures By ER. Deepak Garg

their use in Input-Output.

In C Character is declared



ASCII value of Character data type in C are

0 to 9 is 48 to 57
ASCII value

A to Z is 65 to 90

a to z is 97 to 122

and all remaining for special characters.

Char a; // declaration

a = 'A'; // initializing character data object with A

where = A = 65 = 1000001

