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Assignment 1.

Q 2 - Explain different data types available in C.

Ans :

There are three class of Data types :

C has the following basic built-in datatypes.

* int
* float
* double
* char
* **int - data type:**

**int** is used to define integer numbers.

**{**

**Int count;**

**Count=5;**

**}**

## float - data type:

## float is used to define floating point numbers.

## 

## {

## Float miles;

## Miles = 5.6;

## }

## double - data type:

## double is used to define BIG floating point numbers. It reserves twice the storage for the number. On PCs this is likely to be 8 bytes.

## {

## Double atoms;

## Atoms=2500000;

## }

## char - data type:

## char defines characters.

## {

## Char letter;

## Letter=’X’;

## }

Q 3- . Explain about C Tokens in brief.

Ans :

In a C source program, the basic element recognized by the compiler is the "token." A token is source-program text t token:

keyword

identifier

constant

string-literal

operator

punctuator

Q 4 - Explain about backslash characters in C.

A character can be any ASCII character, printable or not printable from values -128 to 127. (But only 0 to 127 are used.) Control characters i.e. non printable characters are put into programs by using a backslash \ and a special character or number. The characters and their meanings are:

\b

backspace BS

\f

form feed FF (also clear screen)

\n

new line NL (like pressing return)

\r

carriage return CR (cursor to start of line)

\t

horizontal tab HT

\v

vertical tab (not all versions)

\x

???

\"

double quotes (not all versions)

\'

single quote character '

\\

backslash character \

\*ddd*

character *ddd* where ddd is an ASCII code given in octal or base 8. (See Appendix C)