GANPAT UNIVERSITY

U.V.PATEL COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering

B.Tech 1ST Semester Subject –ESFP-1

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Goal: **To learn about c language**

Requirements : Turbo C

Deliverable :

Q.2  Explain different data types available in C.

Ans.2

In the [C programming language](http://en.wikipedia.org/wiki/C_(programming_language)), **data types** refers to an extensive system for declaring variables of different types. The language itself provides basic arithmetic types and syntax to build array and compound types. Several headers in the [standard library](http://en.wikipedia.org/wiki/C_standard_library) contain definitions of support types, that have additional properties, such as exact size, guaranteed

Q.3 Explain about C Tokens in brief.

Ans.3

In a C source program, the basic element recognized by the compiler is the "token." A token is source-program text that the compiler does not break down into component elements.   
Syntax   
token:   
keyword   
identifier   
constant   
string-literal   
operator   
punctuator

Q.4 Explain about backslash characters in C

Ans.4

String values in the C language are terminated with null characters (CHAR(0)) and can contain nonprintable characters (such as backspace).

Nonprintable characters are specified by escape sequences. An escape sequence is denoted by using the backslash (\) as an escape character, followed by a single character indicating the nonprintable character desired.

This type of string is specified by using a standard string constant followed by the character C. The standard string constant is then interpreted as a C-language constant. Backslashes are treated as escapes, and a null character is automatically appended to the end of the string (even if the string already ends in a null character).