** C PROGRAMMING LANGUAGE TUTORIAL**

**printf () and scanf () in C**

* Printf () and scanf () functions are inbuilt library function in c programming which are available in c library by default.
* printf () and scanf () functions are declared in “stdio.h” header file in C library.
* printf () is used to display the output and scanf () is used to read the inputs.

The syntax of printf () function:

1.printf ("format string",argument\_list);

**Note**: The **format string** can be %d (integer), %c (character), %s (string), %f (float) etc.

2.The **scanf() function** is used for input. It reads the input data from the console.

The syntax of scanf () function:

scanf ("format string",argument\_list);

**Note:** It is a way to tell the compiler what type of data is in a variable during taking input using scanf()or printing using printf()

**Comments in C**

Comments in C language are used to provide information about lines of code.

 There are two types of comments in the C language.

1. Single Line Comments
2. Multi-Line Comments

## **Single Line Comments**

Single line comments are represented by double slash i.e. //

1. #include<stdio.h>
2. int main(){
3. //single line information
4. printf("welcome");
5. return 0;
6. }

## **Multi Line Comments**

Multi-Line comments are represented by slash asterisk \\* ... \*\.

Example:

1. #include<stdio.h>
2. int main (){
3. /\* information about
4. Multi-Line Comment\*/
5. printf("welcome");
6. return 0;
7. }