

Course Name: O Level (2nd Sem B2 and B3 Batch)**Subject:** C Language**Topic:** Function with arguments but No return value**Date:** 09-April-2020**Function with arguments but No return value**

Function will accept data from the calling function as there are arguments, however, since there is no return type nothing will be returned to the calling program. So it's a one-way type communication.

Example 1: Write a function to input any number and check the number is even or odd.
(Call by value without return type).

```
#include<stdio.h>
#include<conio.h>
void even(int);
void main()
{
    int x,y;
    clrscr();
    printf("Enter any number\n");
    scanf("%d",&x);
    even(x);
    getch();
}
void even(int z)
{
    if(z%2==0)
    printf("Number is even");
    else
    printf("Number is odd");
}
```

Example 2: Write a function to input any number and print the factorial value of the number.
(Call by value without return type).

```
#include<stdio.h>
#include<conio.h>
void fact(int);
void main()
{
    int x;
    clrscr();
    printf("Enter any number \n");
    scanf("%u",&x);
    fact(x);
    getch();
}
void fact(int j)
{
    int k;
    for(k=1;j>1;j--)
    k=k*j;
    printf("%d",k);
}
```

Example 3: Write a function to input any digit number and check the numbers palindrome or not. (Call by value without return type).

```
#include<stdio.h>
#include<conio.h>
void poli (int);
void main()
{
    int x;
    clrscr();
    printf("enter any digit number");
    scanf("%d",&x);
    poli(x);
    getch();
}
int poli (int z)
{
    int i,y=z;
    for(i=0;z!=0;z/=10)
        i=i*10+(z%10);
    y==i ? printf("Palindrome"):printf("Not Palindrome");
}
```

Example 4: Write a function to input any two numbers and check which number is greater. (Call by value without return type).

```
#include<stdio.h>
#include<conio.h>
void greater(int,int);
void main()
{
    int x,y;
    clrscr();
    printf("Enter any two number\n");
    scanf("%d%d",&x,&y);
    greater(x,y);
    getch();
}
void greater(int a,int b)
{
    if(a>b)
        printf("x is greater number");
    else
        printf("y is greater number");
}
```

Try Yourself using Call by value without return type:

1. Write a function to input the radius of circle and find the circumference of circle.
2. Write a function to input any year and check the year is leap year or not leap year.
3. Write a function to input any number and check the number is positive or negative.
4. Write a function to input any digit number and check the numbers Armstrong or not.
5. Write a function to input any digit number and print reverse of its digit.
6. Write a function to input any number and check the number is prime or not.