**Passing pointer to functions( call by reference ) (concept) ( function that returns more than one value ):**

#include<stdio.h>

void swap(int \*, int \*);

{

int a, b;

printf(“enter for A”);

scanf(“%d”,&a);

printf(“enter for B”);

scanf(“%d”,&b);

printf(“value before swapping “);

printf(“ value for A = %d”,a);

printf(“value for B = %d”,b);

swap(&a,&b); // (call by reference), a and b’s address ( in case of call by address the if former parameter

 //are changed than its actual value is changed because it has same address

printf(“values after swapping:”);

printf(“ value for A = %d”,a);

printf(“value for B = %d”,b);

}

void swap( int \*x, int \*y) // address of a will be copied in x and address of b will

 // be copied in y

{

int t;

t = \*x;

\*x = \*y;

\*y = t;

// here swapping is done on the a and b’s address;

}

}