```
#include<stdio.h>
#include<conio.h>
void main(){
void print(int∏,int);
int merge_sort (int[],int,int);
void merge(int[],int,int,int);
 int n,i,count=0,arr[100];
 clrscr();
printf("\nEnter the number of element you want to enter");
 scanf("%d",&n);
count++;
  printf("\n Enter element in array:-\n");
for(i=0;i< n;i++){
count++;
scanf("%d",&arr[i]);
}
int count1= merge sort (arr,0,n);
print(arr,n);
int sum=count+count1;
printf ("\n The Counting value is :- %d",sum);
void merge(int arr[], int p, int m, int r){
   // int count=0;
int i, j, k;
int n1 = m - p + 1;
int n2 = r - m;
int L[50], R[50];
for (i = 0; i < n1; i++)
    // count++;
 L[i] = arr[p + i];
for (j = 0; j < n2; j++) {
 // count++;
 R[j] = arr[m + 1 + j];
i = 0;
i = 0;
k = p;
while (i < n1 \&\& j < n2){
   // count++;
if(L[i] \le R[j])\{
 arr[k] = L[i];
```

```
i++;
else{
 arr[k] = R[j];
 j++;
k++;
while (i < n1)
//count++;
arr[k] = L[i];
i++;
k++;
while (j \le n2)
    // count++;
arr[k] = R[j];
j++;
k++;
 int merge_sort(int arr[], int p, int r)
{ int count=0;
if (p < r)
int m = p+(r-p)/2;
count++;
merge_sort(arr, p, m);
count++;
merge_sort(arr, m+1, r);
count++;
merge(arr, p, m, r);
return count;
void print(int arr[],int n){
int i;
for(i=0;i< n;i++){
 printf("%d->",arr[i]);
```