```
#include <stdio.h>
#include <stdlib.h>
#include <time.h>
void insertionSort(int arr[], int n)
   int i, key, j;
for (i = 1; i < n; i++)</pre>
   {
        key = arr[i];
        j = i - 1;
        while (j >= 0 && arr[j] > key)
             arr[j+1] = arr[j];
             j = j - 1;
        arr[j+1] = key;
   }
//INSERTION
int main() {
         clock_t start_t, end_t, total_t;
         printf("Enter total numbers \t");
         int n;
         scanf("%d",&n);
         int a[n];
         int i,j,flag,temp;
         flag=1;
         for(i=0;i<n;i++) {</pre>
                  a[i] = n-i;//(rand()%n*10) +1;
         }
         start_t = clock();
         int swapCount=0;
         insertionSort(a,n);
         end_t = clock();
         for(i=0;i<n;i++) {</pre>
                  printf("%d \n",a[i]);
         printf("Total Swapped in INSERTION: %d \n",swapCount++);
    total_t = ((double)(end_t - start_t) / CLOCKS_PER_SEC)*CLOCKS_PER_SEC;
printf("Total time taken by CPU: %f\n", (double)total_t/(double)CLOCKS_PER_SEC
);
}
```