```
/*Implement insertion sort to sort the elements of any user entered array in ascending order. */
#include <stdio.h>
void insertionsort(int[], int);
main()
  int a[20], i, n;
  printf("Enter the number of elements in the array");
  scanf("%d", &n);
  printf("Enter the array elements");
  for (i = 0; i < n; i++)
     scanf("%d \t", &a[i]);
  printf("The unsorted array is %d", a[i]);
void insertionsort(int a[], int n)
  int key, i, j, ;
  for (i = 1; i < n; i++)
     key = a[i];
     j = i - 1;
     while (j \ge 0 \&\& a[j] > key)
       a[j + 1] = a[j];
       j = j - 1;
     a[j+1] = key;
```

ANIRUDH PANDA ROLL - 16(D2)