**NAME : ANIKET BOTE CLASS : D7C ROLL NO : 09**

**PROGRAM :**

#include <stdio.h>

void main()

{

int n, a[100], i, j, t;

printf("Enter number of elements\n");

scanf("%d",&n);

printf("Enter %d integers\n", n);

for (i=0;i<n;i++)

{

scanf("%d",&a[i]);

}

for (i=1;i<=n-1;i++)

{

j=i;

while (j>0 && a[j]<a[j-1])

{

t=a[j];

a[j]=a[j-1];

a[j-1]=t;

j--;

}

}

printf("Sorted list in ascending order:\n");

for (i=0;i<=n-1;i++)

{

printf("%d\n",a[i]);

}

}

**OUTPUT :**

