Name-Ujjwal Kumar

Roll no-1900290120124

Write a Program to perform insertion sort.

**Code:**

#include <stdio.h>

void insertionsort(int a[], int n)

{

int i,j,key;

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

{

j=i-1;

key = a[i];

while(j>=0 && a[j]>key)

{

a[j+1] = a[j];

j--;

}

a[j+1]= key;

}

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

{

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

}

}

int main()

{

int n,a[1000],i;

printf("Enter the size of array");

scanf("%d",&n);

printf("Enter the array elements");

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

{

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

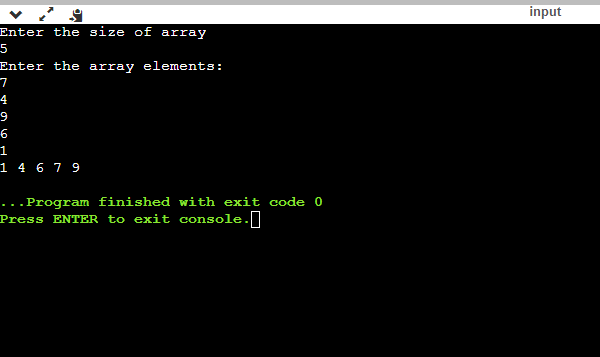
}

insertionsort(a,n);

return 0;

}

**Output-**

****