**EXPERIMENT 9**

**Aim:** To find the median of the given array

**Program:**

#include<iostream>

using namespace std;

int main()

{

int n,a[10];

cout<<"\nEnter the number of element ";

cin>>n;

cout<<"\nEnter the elements ";

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

{

cin>>a[i];

}

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

{

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

{

if(a[i]>a[j])

{

int temp = a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

int t;

if(n%2==0)

{

t=(n/2)-1;

}

else

{

t=n/2;

}

cout<<"\nTHE MEDIAN IS "<<a[t];

return 0;

}

**OUTPUT:**

