#include<iostream>

#include<stdlib.h>

using namespace std;

int compare (const void \*a, const void \*b)

{

return(\*(int\*)a - \*(int\*)b);

}

int main()

{

int a[100],i, j, n, x, mid;

cout<<"Enter the array size: ";

cin>>n;

cout<<"Enter "<<n<<" elements:"<<endl;

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

cin>>a[i];

cout<<"Enter a number x: ";

cin>>x;

qsort(a,n,sizeof(int),compare);

mid = n/2;

if(a[mid]==x)

{

if (a[mid+1]!=(a[mid]+1))

cout<<"\nValue of Z = "<<a[mid]+1;

else

cout<<"No Z value can exist.\n\n";

}

else if(a[mid]<x)

{

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

{

if(a[i]==x)

{

if (a[i+1]!=(a[i]+1))

cout<<"\nValue of Z = "<<a[i]+1;

else

cout<<"No Z value can exist.\n\n";

}

}

}

else

{

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

{

if(a[i]==x)

{

if (a[i+1]!=(a[i]+1))

cout<<"\nValue of Z = "<<a[i]+1<<endl;

else

cout<<"No Z value can exist.\n\n";

}

}

}

Return 0;

}

3. #include <iostream>

#include <stdlib.h>

using namespace std;

int compare (const void \*a, const void \*b)

{

return(\*(int\*)a - \*(int\*)b);

}

int main()

{

int n,k,c=0, i;

cout<<"Enter array size and value of k: ";

cin>>n>>k;

int a[n];

cout<<"Enter "<<n<<" values:"<<endl;

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

{

cin>>a[i];

}

qsort(a,n,sizeof(int),compare);

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

{

c+=a[i];

}

cout<<"Speciality: "<<c<<endl;

return 0;

}