**Fibonacci search…**

#include<iostream>

#include<bits/stdc++.h>

using namespace std;

class fibonacci{

int nums[20],cnt=0,key=0;

public:

void accept(){

cout<<endl<<"Enter Count:";

cin>>cnt;

cout<<endl<<"Enter Array elements do you want to search:";

for(int i=0;i<cnt;i++){

cin>>nums[i];

}

cout<<endl<<"Enter element do you want to search:";

cin>>key;

std::sort(nums,nums+cnt);

}

void fibSearch(){

int fib1=0,fib2=1,index=0,i=0;

int fibM=fib1+fib2;

while(fibM<cnt){

fib1=fib2;

fib2=fibM;

fibM=fib1+fib2;

}

int offset=-1;

while(fibM>1){

i=mini(offset+fib1,cnt-1);

if(nums[i]<key){

fibM=fib2;

fib2=fib1;

fib1=fibM-fib2;

offset=i;

}else if(nums[i]>key){

fibM=fib1;

fib2=fib2-fib1;

fib1=fibM-fib2;

}

else{

break;

}

}

cout<<endl<<"Element is found at "<<i<<"th position!!!!";

}

int mini(int x,int y){

return ((x<=y)?x:y);

}

};

int main()

{

fibonacci f1;

f1.accept();

f1.fibSearch();

return 0;

}