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الاختيار:-

#include<iostream>

using namespace std;

int findSmallest (int[],int);

int main ()

{

int myarray[10] = {11,5,2,20,42,53,23,34,101,22};

int pos,temp,pass=0;

cout<<"\n Input list of elements to be Sorted\n";

for(int i=0;i<10;i++)

{

cout<<myarray[i]<<"\t";

}

for(int i=0;i<10;i++)

{

pos = findSmallest (myarray,i);

temp = myarray[i];

myarray[i]=myarray[pos];

myarray[pos] = temp;

pass++;

}

cout<<"\n Sorted list of elements is\n";

for(int i=0;i<10;i++)

{

cout<<myarray[i]<<"\t";

}

cout<<"\nNumber of passes required to sort the array: "<<pass;

return 0;

}

int findSmallest(int myarray[],int i)

{

int ele\_small,position,j;

ele\_small = myarray[i];

position = i;

for(j=i+1;j<10;j++)

{

if(myarray[j]<ele\_small)

{

ele\_small = myarray[j];

position=j;

}

}

return position;

}

البحث :- #include <iostream>

#include <string>

using namespace std;

int main()

{

int myarray[10] = {21,43,23,54,75,13,5,8,25,10};

int key,loc;

cout<<"The input array is"<<endl;

for(int i=0;i<10;i++){

cout<<myarray[i]<<" ";

}

cout<<endl;

cout<<"Enter the key to be searched : "; cin>>key;

for (int i = 0; i< 10; i++)

{

if(myarray[i] == key)

{

loc = i+1;

break;

}

else

loc = 0;

}

if(loc != 0)

{

cout<<"Key found at position "<<loc<<" in the array";

}

else

{

cout<<"Could not find given key in the array";

}

}