Q:write a program to implement linear search?

ANS:

code->

#include <iostream>

using namespace std;

class isearch{

public:

int data[10],n,key;

void get();

void dis();

};

void isearch::get(){

cout<<"------enter size of array------"<<endl;

cin>>n;

cout<<"-----enter your number----"<<endl;

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

{

cin>>data[i];

}

cout<<"---------enter number to be search---------"<<endl;

cin>>key;

};

void isearch::dis()

{

int flag=0;

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

{

if(key==data[j])

{

cout<<"---your search value "<<key<<" is found on index "<<(j+1);

flag=1;

break;

}

}

if (flag==0)

cout<<"----your no is not found----";

};

int main(){

isearch obj;

obj.get();

obj.dis();

return 0;

}

-------------------------OUTPUT------------------------------

------enter size of array------

10

-----enter your number----

12

23

34

45

56

67

78

89

90

11

---------enter number to be search---------

56

---your search value 56 is found on index 5

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Process exited after 32.27 seconds with return value 0

Press any key to continue . . .