linearsearch\_07.cpp

**Compile:** g++ linearsearch\_07.cpp -o linearsearch\_07

**Run:** ./linearsearch\_07

**Program:**

#include<iostream>

using namespace std;

int flag=0,loc;

class demo

{

public:

intarr[100];

int n, key;

voidgetdata()

{

cin>>n;

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

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

{

cin>>arr[i];

}

cout<<"Enter the key value: ";

cin>>key;

}

voidseqsearch()

{

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

{

if(arr[i]==key)

{

flag=1;

loc=i;

break;

}

}

if(flag==1)

{

cout<<"Key value is found at index "<<loc<<"."<<endl;

}

else

{

cout<<"Key value not found in the array."<<endl;

arr[n]=key;

}

}

void display()

{

cout<<"Elements in the array are: ";

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

{

cout<<arr[a]<<" ";

}

cout<<endl;

}

};

int main()

{

demo d;

cout<<"Enter total no. of elements to be store in the array: ";

d.getdata();

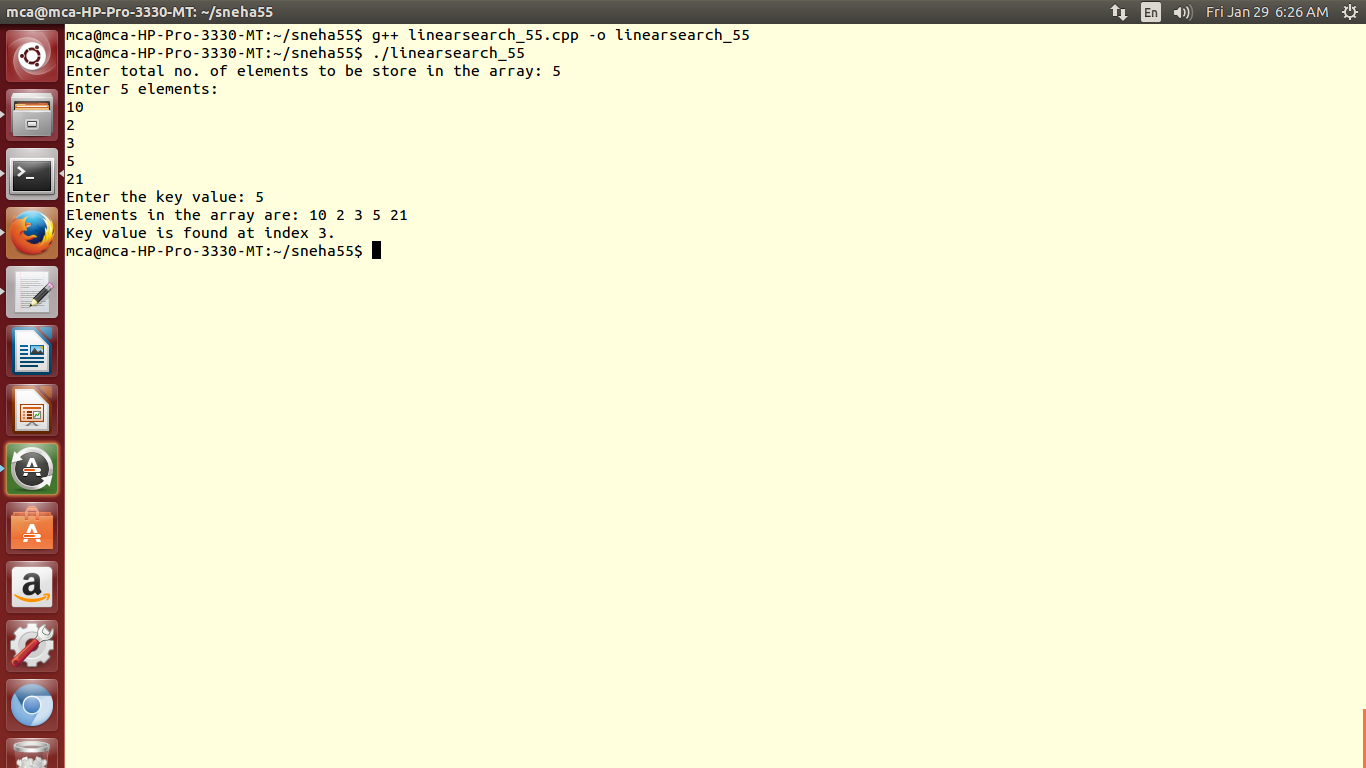
d.display();

d.seqsearch();

return 0;

}

**Output:**

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