

Roll No:07

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Practical No:3

Sequential\_07

```
#include<iostream>
#define MAX 100
using namespace std;

class seq
{
public:

int arr[MAX];
int key,n;

void input();
void seq_search();
void display();

};

void seq::input()
{
cout<<"enter the number of elements you want"<<endl;
cin>>n;

cout<<"enter the array";

for(int i=0;i<n;i++)
{
cin>>arr[i];
}

cout<<"Enter the key element you want to search"<<endl;
cin>>key;
}

void seq::seq_search()
{
int flag=0;
for (int j=0;j<n;j++)
{

if(arr[j]==key)
{
flag=1;
cout<<"found in array";
break;
```

```
}

}
if(flag==0)
{
cout<<"unsucss";
}

else
{
cout<<"successful";
}
}
```

```
void seq::display()
{
cout<<"";
}
```

```
int main()
{

seq r;
r.input();
r.seq_search();
r.display();

return 0;

}
```

output:

```
mca@mca-OptiPlex-390:~/Documents/ds$ g++ prog5.cpp -o s
mca@mca-OptiPlex-390:~/Documents/ds$ ./s
enter the number of elements you want
5
enter the array
10
2
3
4
8
Enter the key element you want to search
4
found in arraysuccessfulmca@mca-OptiPlex-390:~/Documents/ds$
```