

Medi-Caps University



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COMPUTER PROGRAMMING

Programming Assignment

Submitted To
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- Program to check (search) given number is present or not present in list

I. Input of program

```
#include <stdio.h>

void main()
{
    int a[10000],i,n,key;

    printf("Enter size of the array : ");
    scanf("%d", &n);

    printf("Enter elements in array : ");
    for(i=0; i<n; i++)
    {
        scanf("%d",&a[i]);
    }

    printf("Enter the key : ");
    scanf("%d", &key);

    for(i=0; i<n; i++)
    {
        if(a[i]==key)
        {
            printf("element found at\n ");
        }
    }
}
```

```
#include <stdio.h>
void main()
{
    int a[10000],i,n,key;
    printf("Enter size of the array : ");
    scanf("%d", &n);
    printf("Enter elements in array : ");
    for(i=0; i<n; i++)
    {
        scanf("%d",&a[i]);
    }
    printf("Enter the key : ");
    scanf("%d", &key);
    for(i=0; i<n; i++)
    {
        if(a[i]==key)
        {
            printf("element found at\n ");
        }
    }
    printf("element not found");
}
```

```
    }  
}  
  
printf("element not found");  
}
```

II. Output of Program

1st case

```
Enter size of the array : 7  
Enter elements in array : 47  
93  
58  
18  
05  
78  
83  
Enter the key : 73  
element not found
```

(when element not present)

2nd case

```
Enter size of the array : 3  
Enter elements in array : 12  
82  
90  
Enter the key : 90  
element found at  
element not found
```

(when element present)