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**BRANCH- SE CMPN A**

**SEM- 3**

## **18. Linear Search :**

**Code:**

```
#include<stdio.h>
```

```
#include<conio.h>
```

```
int liner(int a[],int n,int x)
```

```
{
```

```
int i;
```

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

```
{
```

```
if(x==a[i])
```

```
return 1;
```

```
}
```

```
return 0;
```

```
}
```

```
int main()
```

```
{
```

```
int a[20],n,i,x;
```

```
clrscr();  
printf("enter no. of element in array\n");  
scanf("%d",&n);
```

```
printf("enter element in array\n");  
for(i=0;i<n;i++)  
scanf("%d",&a[i]);
```

```
printf("enter element to be searched\n");  
scanf("%d",&x);  
printf("elements in array are\n");  
for(i=0;i<n;i++)  
printf("%d\t",a[i]);
```

```
printf("\n");  
if(linser(a,n,x))  
printf("%d is present\n",x);  
else  
printf("%d is not present\n",x);  
getch();  
return 0;  
}
```

**Output:**

```
enter no. of element in array
7
enter element in array
1
2
3
4
5
6
7
enter element to be searched
6
elements in array are
1      2      3      4      5      6      7
6 is present
-
```