

Week 3

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Lab manual problem 01:

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

```
#include<stdlib.h>
```

```
intmain()
```

```
{
```

```
inta[]={1,2,3,3,3,4,4,5};
```

```
int key=3,
```

```
i,flag=-1;
```

```
for(i=0;i<=7;i++)
```

```
{
```

```
if(a[i] == key){
```

```
flag=i;
```

```
}
```

```
}
```

```
if(flag == -1)
```

```
printf("Item not found\n");
```

```
else
```

```
printf("Last Occurrence = %d\n",flag);
```

```
return 0;
```

```
}
```

Lab manual problem 02:

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

intmain()
{
inta[]={202,104,304,223,453,123};
int search = 304;
inti;

for(i=0;i<=5;i++){
    if(a[i] == search){
printf("Position = %d row\n",i);
        return 0;
    }
}
printf("product not available\n");
return 0;
}
```

Lab manual problem 03:

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

intmain()
{
inta[]={1,2,3,4,5,6};
int key=4;
```

```
inti;

for(i=0;i<=5;i++){

    if(a[i]==key){
printf("Found at %d Position\n",i);

        return 0;

    }

}

printf("not found\n");

return 0;

}
```