**Week 3**

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**Lab manual problem 01:**

#include<stdio.h>

#include<stdlib.h>

int main()

{

int a[]={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>

int main()

{

int a[]={202,104,304,223,453,123};

int search = 304;

int i;

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>

int main()

{

int a[]={1,2,3,4,5,6};

int key=4;

int i;

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;

}