**9.Develop a C program to simulate the Linked file allocation strategies.**

#include<stdio.h>

#include<stdlib.h>

#include<unistd.h>

int main ()

{

int f[50],p,i,j,k,a,st,len,n,c;

for(i=0;i<50;i++)

f[i]=0;

printf("Enter how many blocks that are already allocated");

scanf("%d",&p);

printf("\nEnter the blocks no.s that are already allocated");

for(i=0;i<p;i++)

{

scanf("%d",&a);

f[a]=1;

}

X:

printf("Enter the starting index block & length");

scanf("%d%d",&st,&len);

k=len;

for(j=st;j<(k+st);j++)

{

if(f[j]==0)

{

f[j]=1;

printf("\n%d->%d",j,f[j]);

}

else

{

printf("\n %d->file is already allocated",j);

k++;

}

}

printf("\n If u want to enter one more file ?(yes -1/no -0)");

scanf("%d",&c);

if (c == 1)

goto X;

else

return 0;

}