Slip 8

q.1

#include<stdio.h>

#include<stdlib.h>

//#include<conio.h>

void main()

{

int f[50],i,st,len,j,c,k,count=0;

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

f[i]=0;

printf("File allocation are:\n");

x:count=0;

printf("Enter starting block and length of file:");

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

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

if(f[k]==0)

count++;

if(len==count)

{

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

if(f[j]==0)

{

f[j]=1;

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

}

if(j!=(st+len-1))

printf("The file is allocation to disk\n");

}

else

printf("The file is not allocated\n");

printf("Do you want to enter more file(Yes-1/No-0)");

scanf("%d",&c);

if(c==1)

goto x;

else

exit(0);

getch();

}

q.2

#include<stdio.h>

#include<stdlib.h>

int main()

{

int RQ[100],i,n,TotalHeadMoment=0,initial,count=0;

printf("Enter the number of Request\n");

scanf("%d",&n);

printf("Enter the Request sequence\n");

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

scanf("%d",&RQ[i]);

printf("Enter initial head position\n");

scanf("%d",&initial);

while(count!=n)

{

int min=1000,d,index;

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

{

d=abs(RQ[i]-initial);

if(min>d)

{

min=d;

index=i;

}

}

TotalHeadMoment=TotalHeadMoment+min;

initial=RQ[index];

RQ[index]=1000;

count++;

}

printf("Total head moment is%d",TotalHeadMoment);

return 0;

}