```c
#include<stdio.h>
#include<stdlib.h>
#include<limits.h>
int main()
{
int seek_time = 0;
int i,j,temp,curr;
int diff =INT_MAX;
int arr[50];
int n,pos,size,req_arr[50];
printf("\nEnter current position of Head: ");
scanf("%d",&pos);
printf("\nEnter no:of requests: ");
scanf("%d",&n);
printf("\nEnter requests:\n");
for(i=0;i<n;i++)
{
scanf("%d",&req_arr[i]);
}
for(i=0;i<n;i++)
{
arr[i] = req_arr[i];
}
for(i=0;i<n;i++)
{
if(abs(pos-req_arr[i]) < diff)
{
diff = abs(pos-req_arr[i]);
curr = i;
}
}
seek_time+=abs(pos-req_arr[curr]);
for(i=0;i<n-1;i++)
{
diff = INT_MAX;
for(j=0;j<n;j++)
{
if((curr!=j)&&(abs(arr[j]-arr[curr])<diff)&&(arr[j]!=-1))
{
diff = abs(arr[j]-arr[curr]);
temp = j;
}
}
seek_time+= abs(arr[temp]-arr[curr]);
arr[curr] = -1;
curr = temp;
}
printf("\nSeek Time for SSTF: %d\n",seek_time);
return 0;
}
```

```
Enter current position of Head: 50

Enter no:of requests: 4

Enter requests:
40
50
80
100

Seek Time for SSTF: 70

Process returned 0 (0x0)   execution time : 18.605 s
Press any key to continue.
```