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Subject - Operating system and term practical
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02
```
#include<stdio.h>
int absolute value(int)
void main()
{
  int queue[25], n, head position, i, j, k, seek=0,
max range, difference, temp, queue, queue1[20],
queue2[20], temp1=0, temp2=0, float average
seek time;
printf("Enter the maximum range of disk:");
  scanf("%d", &max range);
printf("Enter the number of queue request:");
  scanf("%d", &n);
  Printf("Enter the intial head position:";
  Scanf("%d", &head position);
Printf("Enter the disk position to be read(queue):");
  For(i=1; i<n; i++)
  {
   Scanf("%d", &temp1);
   if(temp1 > head position)
   {
     queue[temp1]=temp1;
     temp1++;
   } else
   {
     queue2[temp2]=temp1;
     temp2++;
   }
```

```
for(i=0;i<temp1-1;i++)
{
  for(j=i+1;j<temp1;j++)
  {
    if(queue1[i]>queue1[j])
    {
      temp=queue1[i];
      queue2[i]=queue1[j];
      queue2[j]=temp;
    }
  }
}

    for(i=0;i<temp2-1;i++)
    {
     for(j=i+1;j<temp2;j++)
      {
        if(queue2[i]<queue2[j])
        {
          temp=queue2[i];
          queue2[i]=queue2[j];
          queue2[j]=temp;
        }
      }
    }
  for(i=1;j=0;j<temp1;i++,j++)
    {
      queue[i]=queue2[j];
    }
    queue[i]=0
     queue[0]=heapposition;
```