

Name -
Student id - 20052121
Roll no - 2093006
Course - B.Sc IT

Date _____
Page _____

```
#include <stdio.h>
int queue[25], n, headposition = 0, tailposition = 0,
maxrange;
int difference, temp, queue[20], temp1, T = 0,
temp2 = 0;
Printf ("Enter the maximum range of disk 10");
Scanf ("%d", &maxrange);
printf ("Enter the number of queue request 11");
Scanf ("%d", &n);
Scanf ("%d", &temp);
printf ("Enter the initial head position 0");
Scanf ("%d", &temp1);
printf ("Enter the disk position to be read queue i:");
for (i = 1; i <= n; i++) {
    Scanf ("%d", &temp);
    if (temp > headposition)
        if {
            queue[headposition] = temp;
            headposition++;
        }
    else {
        queue[tailposition] = temp;
        tailposition++;
    }
}
```

temp₂++;

}
for (i=0; i<temp₁; i++;)

{
 for (j=i+1; j<temp₁; j++) {
 if (queue[i] > queue[j]) {
 temp = queue[i];
 queue[i] = queue[j];
 queue[j] = temp;
 }
 }
}

for (i=j, j=0, j<temp₁; i++, j++) {
 queue[i] = queue[j];
}
queue[0] = maxrange;

for (i=temp₁+2, j=0, j<temp₂, i++, j++) {
 queue[i] = queue[2(j)];
}

queue[0] = 0;

queue[0] = head position;
for (i=0, j=h; j < d) {
 difference = absolute value (queue[i+1] - queue[j]);
 seek = seek difference;
 front₂ = (V_d) head moves from position $\frac{d}{2}$ to
 front₁ with seek $\frac{d}{2}$ move

```
{g+1), difference);  
}  
print f("total seek time : '%d\n'", seek)  
int absolute (int x)  
{  
    if (x) {  
        y return x;  
    }  
    else {  
        y return x - i;  
    }  
}
```