3

```
2. # include soldio. A
                                                                                                         C+12 (1-10) 2 (1+4)
        int absolute Value (int);
                                                                                                     the important its
          void main ()
                                                                                                     (1) strand agricumb) J.
                int queu [25], n, head position, i, j, k, seek =0, maximange,
                difference, temp, quul[20], quul 2[20], temp!=0,
                 temp 2 = 0;
                                                                                              anna 1 (1) - temps
                print (" Enter the maximum vange of Disk: 99);
                Scornf (66 %, d?), Smaxvange);
               print (apriter the number of queue requests: 99);
               Scornf (16 %, d", &n);
                print (66 Enter othe initial head position: 19);
                Scarnf (" yod", & headposition);
                printf (66 Enter the disk positions to be viewed (queue):99);
                 Scart (66 % od ? , & temp); (1)
                           i° + (temp > headposition)
                                   quul Ctemp1] = temp;
                                                                                                                                   dram (y) e.
                                                                                                                    (thi ( 1 = 2) ( 0 : 1) 12)
                          elsewine - title uning authorities de la constitute de la
                                 quue2 [temp2] = temp;
                                  temp 2++3/ by hierarony book - who is tring
```

\* A ADDING

CI-XX design

```
OO REDMI NOTE 8
```

```
for (i=0; & <temp1-1; i++)
                                        40 oubles worse
                                    of account salus (and);
   for (j=i+1; j < temp1; j++)
      if (queuestis) queus (j3)
         temp = queue 2 [i]; with appoint no lee ? who me
         queur cis = quui 2 l'j's
          quuz (j) = temp;
           exact the Enter the recommend currence of Lists: 31
     4
                            Saint (4 fed), smootherige;
 4
 for (i=1, j=0; j2temp); itt, j+1)
      queu lis = queur cis i min la man de mans
                           Scart (4 foll ) Statetherships)
   queul cij = max range;
   for (i=temp1+2, j=0, j2temp2; i++, j++)
   F
        queul Ci] = queu 2Ej7;
                             ( demps - (doctoestien)
    queu lis -0;
                         Alust I towns, I thinhb
    queu co] = headposition;
    for (j=0; fc=n; j++)
                                     att Lyniah
      difference = absolute Value (que cj+13 - que cj]);
         seek = seek + difference;
     printf (" Total head movement = %d \n99, seek);
    int absolute value (int n)
    & it (n20)
        vieturn no,
      olse
         return nx-1:
```

```
int absoluteValue(int);
          void main()
     v / 4
    Enter the maximum range of Disk: 99
    Enter the number of queue requests: 7
    Enter the initial head position: 24
    Enter the disk positions to be read(queue): 12
     Total head movement= 170
     ... Program finished with exit code 0
     Press ENTER to exit console.
s • GDB
```