Name! Lovejeet Singh Mehta + 1900 ! soul Roll No! 2093012 Subject! Operating System (End Term Poractical) clf. soot () Any 2-# include < stdio.h) ent Size = 7; int disk\_size = 100; void SCAN (int over ), int head, string disrection) { int seek\_county = Pissiz. Hol = i this sol vector (int> left) right ? Hout (Vector (int) seeks sequence; mongoz Most if (directions=== left =) = sented left. push\_back(0); 1~100. Mass. else if (direction == "right") right-puh back (disk\_size-1); for (int i = 0; issize; ital) if (an[i] ( head) sites its ) is sels ( left. push-back (ars[i]); if (arr [i] > head) 1 - i this made right. push\_back (all[i]);

Name: Lovejeet Single Me Literia torijovas i minds Roll No: 2093012 Subject! Operating System (End Term Poractical) Lovely left. Sort (); Livelile esteller Ki while (run --) (with Edinetion = = ) left 2 That this has been for (int i = left. size () -1; laiv >20; it= ) cur\_track = Lleft (it]) ( in) on) seek\_sequence: push\_book (cur\_track); distance = abs (cur-track + head); seek-count +1= distancer; head = cur-track; sight publicher Klebik size -1); ... & direction = "right" else if (direction) = = y right for (int i=0; (is night. Size(); i++) \$ (((i)tro) and doing their

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Name: Lovejeet Singh Mehta
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      cur _track = right[i];
      seek_sequence. push_back (cur_track);
      distance = abs (cur-track-head);
      Seek_count + = distance;
      head = cur-track;
     direction = "left";
   print ( "Total distance = "1.d", seek_count))
int main ()
   int arr[size] = { 12,26,24,4,42,8,50};
   int head = 24;
   String direction = "left";
  SCAN ( are, head, direction);
  seturn 0;
```

Shell

Clear

Total distance = 74