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Univ Rolling. - 20051054
Name - Pushper das Sligh
                               Section - B
Course - BSc (IT)
  # include (stdio h)
  # include (stallib.h)
  int main ()
    RQ (100), i, j, n, Total Head Moment = O, initial, size, move;
    printf ("Enter the number of Requests ("); scanf ("/d", & n);
    printf (" Enter the Requests sequence (n");
    for( i = 0; i < n; i++)
     scanf ("1.d, & Ra (i));
     printf ("Enter initial head position (n");
     scanf ("% d, & initial);
     printf ("Enter total disk size \n");
     scanf ("y. a", & size);
     printf ("Enter the head movement direction for high I and
     for low 0 (n");
     scarf ("1:d", & move);
       Il logic for Scan disk scheduling
         /* logic for sort the request array */ for = (i=0; i<n; i+1)
       l for (j=0', j < mj-g++)
       € if (RO(j)>RO(j+1))
         9 int temp;
            temp = RO(j)
            20(j) = 20(j+±);
             Ra (j+1) = temp;
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int inden;
for (1=0; 12n; 1++)
& if (initial < RO(1))
     inden = i;
    break,
             A COUNTY OF STREET OF STREET
// if movement is towards light value if (nove = = 1)
 E for (i=inden; icn; i++)
   ( Total Head Moment = Total Head Moment + abs (RO(i)-initia)
     initial = RQ(i);
      Illust movemen for man size
Total Head Moment = Total Head Moment tabs ( Size - RO (i-1)-i
       initial = size -
     for (i= inden - 1; i>0; i--)
  Total headmoment = Total Head Moment + abs (RO (i)-initial);
          initial = RO (i):
 I'if movement is towards low value else
    ¿ for (i= inden -1; is=0; i--)
   Total Head Moment = Total Head Moment + abs (RO (i+i)-0);
               initial= 0;
               for (i=inden; icn; i++)
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Tatal head moment = To tal Head Moment tabs (ROCi)-initial initial = RCe (i); print f ("Total head movement is "/od", Total Head Momen); return 0 9