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NAME & Doeptka fament
                     UNIVO ROLL NO $ 2023051 STUDENT IDS 20052033
DATE: 24 Aug / tozs
                        COURSE : BSC DT SEM: 2" SECTION & A
SUBJECT NAME : OS
                        SUBJECT LODE : TB1-202
                                                AGE NO: 2
Ques - 2
 ## include (stdio.h)
  Pert absolute value (Port);
  Vold noch ()
   int queue [25], n, head position, i, j, k, seek =0, maxrange,
  différence, temp, queue [20], queue 2[20], temp 1=0, temp 2=0;
   float average Seek Time;
   Printf("Enter the nowmen range of Disk: ");
   Scanf ("%d", & maxiange);
   Brint C" Enter the number of queue requests: ");
   Scarf ("%d", &n);
   Positif (" Enter the initial chead position: ");
   Scarf ("% d" & headpasition);
   Prints (" Enter the disk position to be read (queue): ");
   for (9=1, 1/1)
  3 carf ("% d", & temp);
    if (temp) headposition)
    queue & [lemp 1] = temp;
    temp 1++;
   else
  & queue 2 [temp2] = temp;
    temp2++;
```

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for (1=0; 1x temp 1: j++)
for ( )= 9+1; Ktemp1: j++)
  ([1]) snowp < [1]) snowp) fi
   temp = queue ( CPJ;
   quene 1617. quene 1697;
    queue I[]] = temp;
And Cherogic Strap 100 200 xxx
74
for Ejzith: fitemp2; J++ Jith)
   Mismond = (1) snow
 for (1=1, 1=0; 1< temp; 1++; 1++)
  queue [i] = queue 1:[j];
 queue [i] = maxerenge;
 for ( i= temp 1+2, j=0; ; < temp 2; i++, j++)
  queue [?] = queue 2 [j];
 queue [i]=0:
 queue [o]: headposition;
 for (j=0; j<=n; j++)
```

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WAME & Despited format Univ. ROLL NO: 2023057 STUDENT TO: 20052033

DATE: 24 | Any | 2021 Course & BSC IT SEM: 2nd SECTION: A

SURTECT NAME: OS SURTECT CORE: TBI-202 PAGE: No: 3
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différence = absolutevalue Cqueue []+1]-queue[]];
 Seek = Seek + difference;
 Prints ("Disk head names from position % of to % of
 with seek % of /n", queue [j], queue [j+1], difference);
 average Seektime & Seek / (float)n;
 point ("Total Seektime = % d/n", Deek);
 peints ("Auerage Seektime = % of in", auerage Seektime);
int absolute Value (Phtx)
{ (x>0)
E return x ;
 else
  return * * - ) ;
```

Despika

Enter the maximum range of Disk: 100 Enter the number of queue requests: 7 Enter the initial head position: 24 Enter the disk positions to be read (queue): 12 26 26 3 8 50 Disk head moves from position 24 to 26 with Seek 2 Disk head moves from position 26 to 42 with Seek 16 Disk head moves from position 42 to 50 with Seek 8 Disk head moves from position 50 to 100 with Seek 50 Disk head moves from position 100 to 24 with Seek 76 Disk head moves from position 24 to 12 with Seek 12 Disk head moves from position 12 to 8 with Seek 4 Disk head moves from position 8 to 4 with Seek 4 Total Seek Time= 172 Average Seek Time= 24.571428 Program finished with exit code 0

Press ENTER to exit console.