```
Name o Guyan Dinee
Roll, no. 200 52092
                                                  Compour
Subject: Operating System Practical 
Subject code: PBN-202
                                                     27/08/2021
C'Code for word fit Memory Management Scheme.
Source Code
Hinclude (stdio, h)
 int main ()
 printf ("Inttit It Memory Management" "- Word Fit");
 int i, i, ublocks, willes, temp, top = 0;
  int frag[10], blocks[10], files[10];
 Static int block ass[10], tile ass[10];
 printf l''In Enter the Total Number of Blocks'. ");
 scourf 1" %d", & n blocks );
 printfl"Enter the Total Number of files: ");
 Scourf ("old", Enfiles);
 print l'Interder the Total Size of the "Blocks: In");
  for (i=0; i < nblocks; i++)
  printf("Block No. %d: \t", i+1);
  scarf ("%d", & blocks[i]);
 point l'Enter the size of the ""tiles: In");
 for(i=0; i< nfiles; i++)
 point ("file No. %d: 1+", 1+1);
scanf ("%d, &files[i]);
 for (1=0;1< nfiles; 1++)
 for (j=0; jehblocks; j++)
```

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Name: Gunjan Diment
Roll no : 20052092
Julget Operating System Practical Subject Code 3 PBI-202
                                                     Buyan
                                                       27/08/2021
if (block_ava(j) 1=1)
 temp = blocks[j] - files[i];
 if (temp >=0)
 If (top (temp)
file - ars [i] = j;
  top=temp;
frag(i)=top;
block-auglfile-argliss=1;
 top=0;
printf l'Infèles Number | + fêle Size It " Block Number | + Block
     Size ( t fragment ");
for (1=0; "< nfiles; "++)
point ["In%d | t | t %d ", ", files [i],
   files-aralis, blocks[file-aralis], traglis);
onut (" \n");
detulu 0;
```

Memory Management - Worst Fit Enter the Total Number of Blocks: 3 Enter the Total Number of Files: 2 Enter the Size of the Blocks: 5 Block No.1: Block No.2: 2 Block No.3: Enter the Size of the Files: File No.1: 1 File No.2: File Number File Size Block Number Block Size Fragment 0 1 2 7 1 0 4 5 0 ...Program finished with exit code 0 Press ENTER to exit console.

input

```
Name Guyan Dinois Vnev. Roll no: 2023055 foll nos 20052082 Juliject: Operating System Practical Subject Code; PBI-202
                                                        27/08/2021
J2) C'brogram for SCAN Disk scheduling Algolithm.
     Source Code
     Hindude (slip, h)
     int absolude Value (int);
     word main ()
      Ent queue [25], n, headposition, e, j, k, seck = 0, mourange,
          difference, temp, queud (20), queud (20), temp 1-0,
         temp2 = 0; flood average Seek Time;
       print ("Enter the maximum range of Disk: ");
       scanf ("lod", & makrange);
      pointfl'Enter the number of queue requests: ");
       scourf ("%d", &n);
      print l'Enter the initial head position: ");
       Scourf l'' % d'', & headposition);
      print ("Enter the disk positions to be read (queue):");
       for ( = 1, 1 <= n; 1++)
        Scanf (" old", & temp);
        if Hempsheadposition)
           quene 1 Itemp 1) = temp;
           tempt ++;
         else
          queue 2 temps ) = temp;
         Temp2++;
```

```
Name: huyan Dinei
Roll 40° 20052092
Julyed: Operating System Proched
Sulgiect Code; PBY 200
for (i=0; i<tempt-1; i++)
    for (j=1+1; j<templ; j++)
        if (quenoll?) > quene 16° )
         temp=queuelli];
queuelli]=queuelli];
queuelli]=temp;
 for (i=0; i<temp2-1; i++)
     for G-l+1; j(temp2; j++)
       if Guener [i] < quener [i])
          temp = quoued[i];
queued[i]=queued[j];
queued[i]=temp;
?
 for (1=1, 5=0; s(temp 1; 1++)
   queue [?] - queue 169];
  queue [i] = maxsange;
  for (1=temp 1+2, j=0; j(temp 2; 1++, j++)
```

```
Name o Gunjan Domero
Koll nos 2005 2092
Juliet & Operating System Practical no Lossoss
 Euene [i] = quene & [j];
   queue [i]=0
    guere [0] = headposition;
   for (j=0; j(=n; j++)
    différence -absolute valuelquenolj+1]-queue [j])
     Seek = seek + difference;
     printf("Disk head moves from position "od to " 6d ..."
     guerre []], quouel]+1], différence);
    andage seek Time = seek (float ) n;
   printf 1 Total Seek Time = "dln", seek );
    print ("Accept Seck Time = %fln", average Seck Time);
  int absolute Value (int x)
   it (K)0)
    sicheren X;
     Dectrom X -1;
```

```
Enter the number of queue requests: 7
Enter the initial head position: 24
Enter the disk positions to be read(queue): 12
26
24
4
42
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 99 with Seek 49
Disk head moves from position 99 to 24 with Seek 75
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= 170
Average Seek Time= 24.285715
... Program finished with exit code 0
Press ENTER to exit console.
```

Enter the maximum range of Disk: 99

input