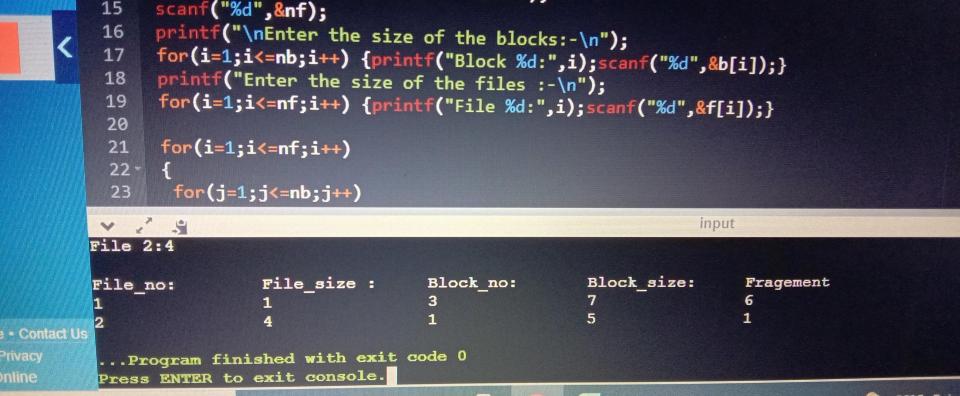
Father's Name => Bhagat Singh Negr Name => Mansi Negi University Roll no=72023065 Student I'd > 20052052-Date = 27/08/21 Course => BSC. IT Section = ) A Semesteri) = II Subject Code; PISI 202 Subject Name , Operating Campus:) Dehrodun Pg=(D) Answer 1 # include <stdio.h> # include < conio.h> # define max 25 Void main () INA MEDION frag [max], b [max], f [max], i J, nb, nf, temp / highest = 0; Static int bf [max], ff[max]; Printf ("In It Hemory Management Schame worst fit ); Harsi begi

Print of "Enter the number of files:"); Scanj (" % d", 8nb); Print ] (" Enter the number of files:"); Scang (" -1 - d", & nf); Prints (" In Enter the size of the blocks-/n"); for (i=1; i <= nb; i++) Print ("Block %d", 1"); Scanf (" tod" & b [i]); Print 1 ("Enter the size of the files: \n"); for (i=1;i<hf;i++) Print f ("file ofod;"1"); Scory (" d.d", & f[i]); Nahii

fox (i=1; icaxt=1 for (i = 1; i <= nf; i++) for (T=1; J <= nb; J++) if (bf [J]!=1) //ig bf [G] is not allocated temp = b[j]-f[i]; if (temp >= 0) if (highest <temp) ff[i]=J; highest = temp; Harri

frag [i] = highest, bf [ff[i]] = 1; highest = 0; Printf ("Infile\_no. Itfile-Size : It block\_no: It Block\_size: It fragement"); for (i=1; i = nf; i++) Printf("\no/od/t/t/od/t/t/od/t/t o/od" i°, f[i], ff[i], b[ff[i]], frag[i]); getch (); Mansi



Student I'd 220052052 Name => Mansi Negi Date =127108/21 University => 2023065 Section = A Cowne 5) BSCIT Subject Code = )PBI 202 Sumester 7 II Subject Name = 1 Operating System Pg (1) Campu -1 Dehradus Answer 2 # include < stdio. h int absolute Value (int); Void main () queue [25], n, headposition, i, J, k, seek = 0; maxrange, difference, temp, queux 1 [20], queux 2 [20], temp 1 = 0, temp 2=0; float duringe seek tim; Mansi

Print 1 " Enter the maximum range of Disk . "); Scanf (" f.d", & max range); Prints ("Enter the number of queue sequestr") sconf (" -/ ·d; &n); Print of (" Enter the intial head position:"). scanf God", & head position). Print of (" Enter the disk position to be ruad (queue): "): for (i = 1; iz=n; i++) Scang (" -1 d', 8 +mp). i of (temp > head position) queue I [temp 1] = temp; tempg ++; Mansi

else { queue 2 [temp] = temp] temp2++; Jor (i=0; ictemp 1-1; i++) Jos(J=1+1; J < temp1; J++) if queue 1 [i]>queue 1(j]) temp = queue 1 [] ]; queue 1 [ ] = queue 1 [ ]. queue 1 [J] = temp;

Manso

```
for (i=0; i < temp 2-1; 1++)
      Jor(5 = i+1; J< kmp2; J++)
    top = queue 2 [i];
    queue 2 [i] = queue 2 [J]
    queue 2[]] = temp;
  3
Jor (i=1, J=0; J < temp1; i++, J++)
   queue [i] = queue 1 [j];
```

```
quelle [i] = marvange.
   100 (i = temp 1 + 25 = 0;j < temp 2; i++,
              J++)
      queue [i] = queue 2[j];
  queue [i]=0;
  queue [0] = headposition;
  for (J=0;J<=n;J++)
     difference = absolute Value (queue [] +1]
    -queue [ ]);
    Suk = Suk + difference;
   Prints ("Disk head moles from position
tod to yod with suk tod In queue [J]
1 queue [I+1], difference);
```

```
alerage Seek time = Seek / (float) n;
Prints ("total seek time = 1.d/n', seek);
 Printf ("Average Suk time = 40 f /n",
     average Suk time);
 int absolute Value (int x)
   ig(x>0)
    return X;
    vietum x* -1;
```

· Jan

