Graphic Era Hill University, Dehradun (Answer Sheet for Online Examination Aug. 2021)

Please tick (✓) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

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Date - 27 August 21

Course - BSC. IT

Branch - Dehradun

Semester - 2nd (END TERM)

Practical - operating System

Code - (PBI-202)

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Q1

Answer

Worst fit Memory Management

Code

```
# include < Stdio.h >
# include < Conio.h >
# define max 25

Void main()
{
int frag[Max], b[Max], f[Max], i, j, nb, nf, temp, highest=0;
Static int bf[Max], ff[Max];
clrscr();
Printf("\n\t memory management Scheme - Worst fit");
~~Scanf ("%d", &nb);~~
Printf("\n Enter the number of blocks:");
Scanf ("%d", &nb);
Printf ("Enter the number of files:");
Scanf ("%d", &nf);
Printf ("\n Enter the Size of the blocks:-\n");
```

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```
for ( i= 1 ; i<=nb ; i++) { Printf ("Block %d:",):
Scanf ("%d", & b[i]) ;}
Printf ("Enter the Size of the files :- \n");
for ( i= 1; i<=nf ; i++ ) { Printf ("file %d:",);
Scanf ("%d",&f[i]); }
for (i= 1 <=nf ; i++)
{
 for (j = 1 ; j<=nb ; j++)
{
 If (bf[j] != 1) // If bf[j] is not allocated
{
 temp = b[j] - f[j] ;
 If (temp >=0)
 If (highest < temp)
 {
 ff[i] = j;
 highest = temp ;
}
}
}
 frag [i] = highest ;
```

(3)

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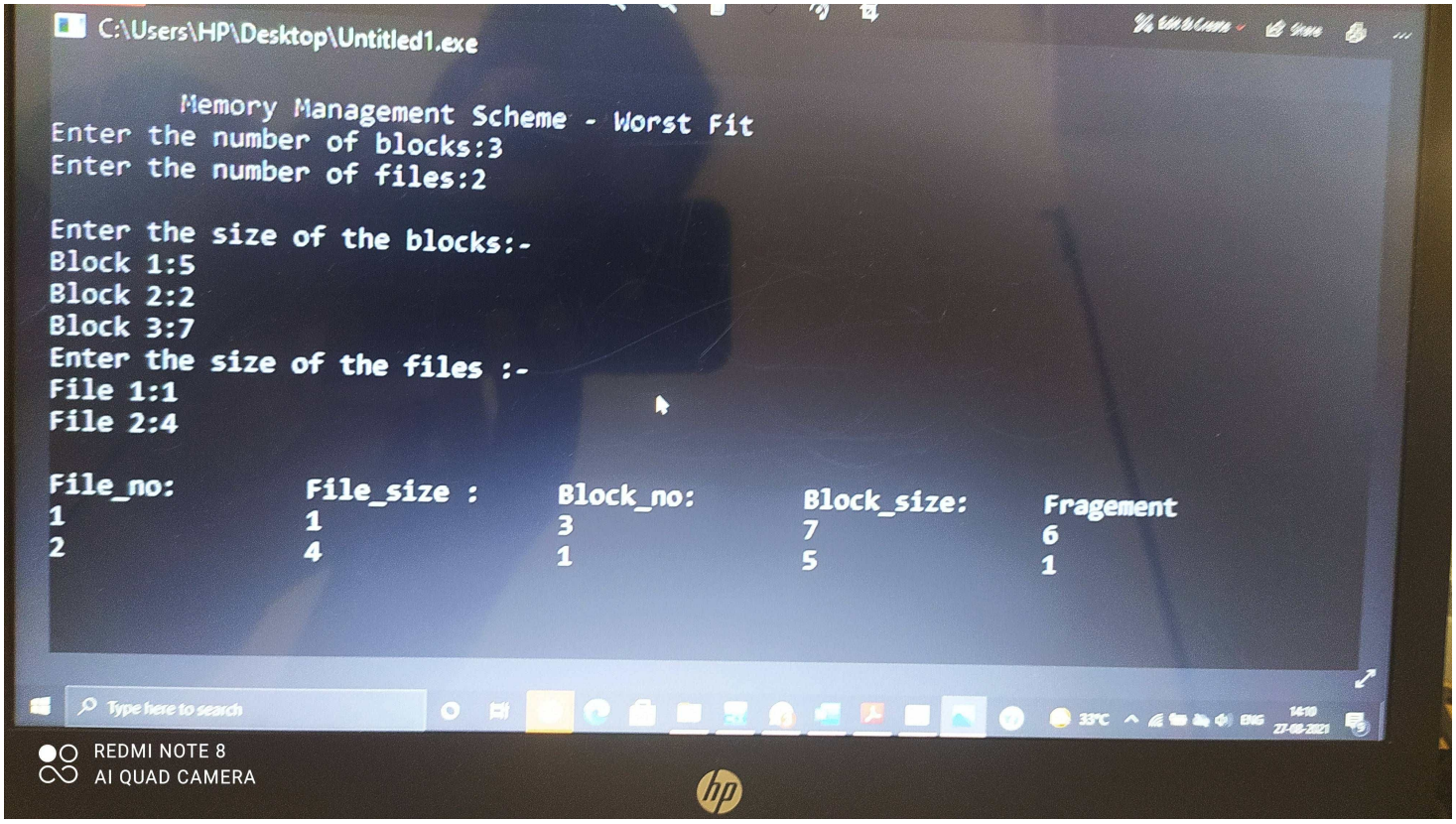
```
bf [ff[i] = 1 ;
highest = 0;
}
Pdintf ("\n file_no: \t file_Size
:\t Block_no: \t Block_Size : \t fragement");
for (i = 1; <= nf ; i++ )
Pdintf ("\n%.d \t%.d \t \t%.d \t%.d", If, [i), ff [i]
, b[ff] [i ]]]
fra g [i]);
getch (1 ;
}
```


C:\Users\HP\Desktop\Untitled1.exe
Memory Management Scheme - Worst Fit
Enter the number of blocks:3
Enter the number of files:2
Enter the size of the blocks:-
Block 1:5
Block 2:2
Block 3:7
Enter the size of the files :-
File 1:1
File 2:4
File_no: File_size : Block_no: Block_size: Fragement
1 1 3 7 6
2 4 1 5 1
Type here to search
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