Graphic Era Hill University, Dehradun
(Answer Sheet for Online Examination Aug. 2021)
Please tick (√) your campus: (DEHRADUN/BHIMTAL/HALDWANI)

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Date: 27.08.21 Course: BSc (IT) Branch: Dehradun Sem.: 2 Section: B
Subject Name: Operating System Subject Code: PBI-202 Page No. 1

```c
Ans1 → # include <Stdio.h>
       # include <Conio.h>
       # define max 25

Void main ()
{
    int frag[max], b[max], f[max], i, j, nb, nf, temp;
    Static int bf[max], ff[max];

    printf("\n\t Memory Management Scheme -First Fit");
    printf("\nEnter 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");
    for (i=1; i<=nb; i++)
    {
        printf("Block %d:", i);
        scanf("%d", &b[i]);
    }
    printf("Enter the size of the files:-\n");
    for(i=1; i<=nf; i++)
    {
        printf("File %d:", i);
        scanf("%d", &f[i]);
    }
    for(i=1, i<=nf; i++)
    {
    }
```

②

```
For (j=1; j<=nb; j++)
{
  If (bf[j]!=1)
  {
    temp = b[j]-f[i];
    If (temp >=0)
    {
      ff[i] = j;
      break;
    }
  }
}
frag[i] = temp;
bf[ff[i]] =1;
}
printf("\n File no:\t File size : \t Black no:\t Black size:
                                          \t Eragement");

For (i=1; i<=nf; i++)
printf("\n %d\t \t %d\t\t %d\t \t %d", i, f[i],
                                      b[ff[i]], frag[i]);

getch();
}
```

Uttam sharma

main.c

```
22    {
23        printf("File %d:",i+1);
24        scanf("%d",&f[i]);
25    }
```

▶ Run   ⏸ Debug   ■ Stop   ☁ Share   💾 Save   { } Beautify   input

```
                Memory Management Scheme - First 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              1              5              4
2              4              3              7              3

...Program finished with exit code 0
Press ENTER to exit console.
```

```
        Memory Management Scheme - First Fit
Enter the number of blocks:3
Enter the size of the blocks:-
Block 1:5
Block 2:2
Block 3:7
Enter the number of files:2
Enter the size of the files :-
File 1:1
File 2:4

File_no:   File_size :   Block_no:   Block_size:   Fragment
1          1             1           5             4
2          4             3           7             3

...Program finished with exit code 0
Press ENTER to exit console.
```

```c
22
23    printf("File %d:",i);
24    scanf("%d",&f[i]);
25 }
```