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Student I'D :- 2005 2064   Course :- BSc-IT

Uni Roll no :- 2023077   Sem :- 2

Subject code :- PBI-202   Sec :- A

Question :- L   C Program code for Worst-fit Memory management Scheme :-

```c
#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];
clrscr ();
printf ("\n\t Memory Management Scheme - First fit ");
print f ("\n Enter the number of blocks :");
scanf ("%d", &nb);
Print f (" Enter the number of files :");
scanf ("%d", &nf);
Print f ("\n Enter the size of the blocks :-\n");
for (i=1; i<= nb; i++)
{
print f (" Block %d :", i);
Scan f ("%d", &b [i]);
```

Prerna/Aug.
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```c
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++)
{
    for(j=1; j<=nb; j++)
    {
        if(b[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 Block_no: \t Block-size :\t fragement");
for(i=1; i<=nf; i++)
printf("\n %d\t\t %d\t\t %d\t\t %d\t\t %d", i, f[i],
        ff[i], b[ff[i]], frag[i]);
getch();
}
```

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#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\tMemory Management Scheme   First Fit");
```

```
PS C:\Users\DELL\Desktop> cd "c:\Users\DELL\Desktop\" ; if ($?) { gcc oc.c -o oc } ; if ($?) { .\oc }

        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:     Fragment
1               1               1               5               4
2               4               3               7               3
```