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Subject -> Operating system

Roll no- 2023018

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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, highest = 0;
    static int bf [max], tf [max];

    printf("\n Memory Management Scheme- Worst fit");
    printf("\n Enter the number of blocks:");
    scanf ("%d", &nb);
    printf("\n Enter the number of files:");
    scanf ("%d", &nf);
    printf("\n Enter the size of the block i- \n");
    for (i = 1; i <= nb; i++)
    {
        printf("Block %d:", i);
        scanf ("%d", &b[i]);
    }
    printf("\n 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 (bf[j] != 1)
            {
                temp = b[j] - f[i];
                if (temp >= 0)
                {
                    bf[j] = 1;
                    tf[i] = j;
                    break;
                }
            }
        }
    }
}
```

```
if (highest < temp)
```

```
{  
    if [i] = j;
```

```
    highest = temp;
```

```
}
```

```
}
```

```
}
```

```
frag [i] = highest;
```

```
b + [ff [i]] = 1;
```

```
highest = 0;
```

```
}
```

```
printf ("\\n file-no: \\t File-size: \\t Block-no: \\t Block-size: \\t Fragment");
```

```
for (i=1; i<=nt; i++)
```

```
printf ("\\n %d \\t \\t %d \\t \\t %d \\t \\t %d \\t %d \\t %d", i, f[i], ff[i],  
        b[ff[i]], frag[i]);
```

```
getch();
```

```
}
```

Run Debug Stop Share Save Beautify

Language C



main.c

```
1 // Memory Management Scheme - Worst Fit
2
3
4
5
6
7
8 //*****
9 #include<stdio.h>
10 #include<conio.h>
11 #define max 25
```

input

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

...Program finished with exit code 0

Press ENTER to exit console