

Name - Aryan Singh Negi

Student id - 20051012

Course - Bscoit

Sem - 2

Subject - Operating System

Star

Date - 27 - Aug - 2021

Branch - HCU

Ques 1

```
#include <stdio.h>
```

```
#include <conio.h>
```

```
#define MAX 25
```

```
int main()
```

```
{
```

```
    int frag[MAX], b[MAX], f[MAX], i, j, nb, nf,  
        temp, highest = 0;
```

```
    static int bf[MAX], ff[MAX];
```

```
    printf("\n File Memory Management scheme - Worst fit");  
    printf("Enter the number of blocks");  
    scanf("%d", &nb);
```

```
    printf("Enter the number of files");  
    scanf("%d", &nf);
```

```
    printf("Enter the size of blocks");  
    scanf
```



```

for (i = 1; i <= nb; i++) {
    printf("Block %.d", i);
    scanf("%d", &b[i]);
}

```

```

printf("Enter the size of the file");
scanf("%d", &nf);
for (i = 0; i < nf; i++)
{
    scanf("%d", &f[i]);
}

```

```

for (i = 1; i <= nf; i++)
{
    for (j = 1; j <= nb; j++)
    {
        if (bf[j] != 1)
        {
            temp = bf[j] - f[i];
            if (temp >= 0)
            {
                if (highest < temp)
                {
                    ff[i] = j;
                    highest = temp;
                }
            }
        }
    }
}

```



```
frag[i] = highest;  
bf[ff[i]] = 1;
```

```
highest = 0;
```

```
}
```

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

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

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

```
getch();
```

```
}
```



```
11 printf("\n Memory Management Scheme - Worst Fit\n");
12 printf("Enter the number of blocks:\n");
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
```

C:\Users\ARYAN\Desktop\TEMP.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 1:1

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	0	11080528	0

resources

Compila

- Error

- Warni

- Outpu

- Outpu

- Compl

<

Line: 44

Length: 1018

Insert

Done parsing in 0 seconds