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Rollno - 2023087
Subject - Operating System
Date - 27/08/2021
Subject Code - PBI-202

Aim Code

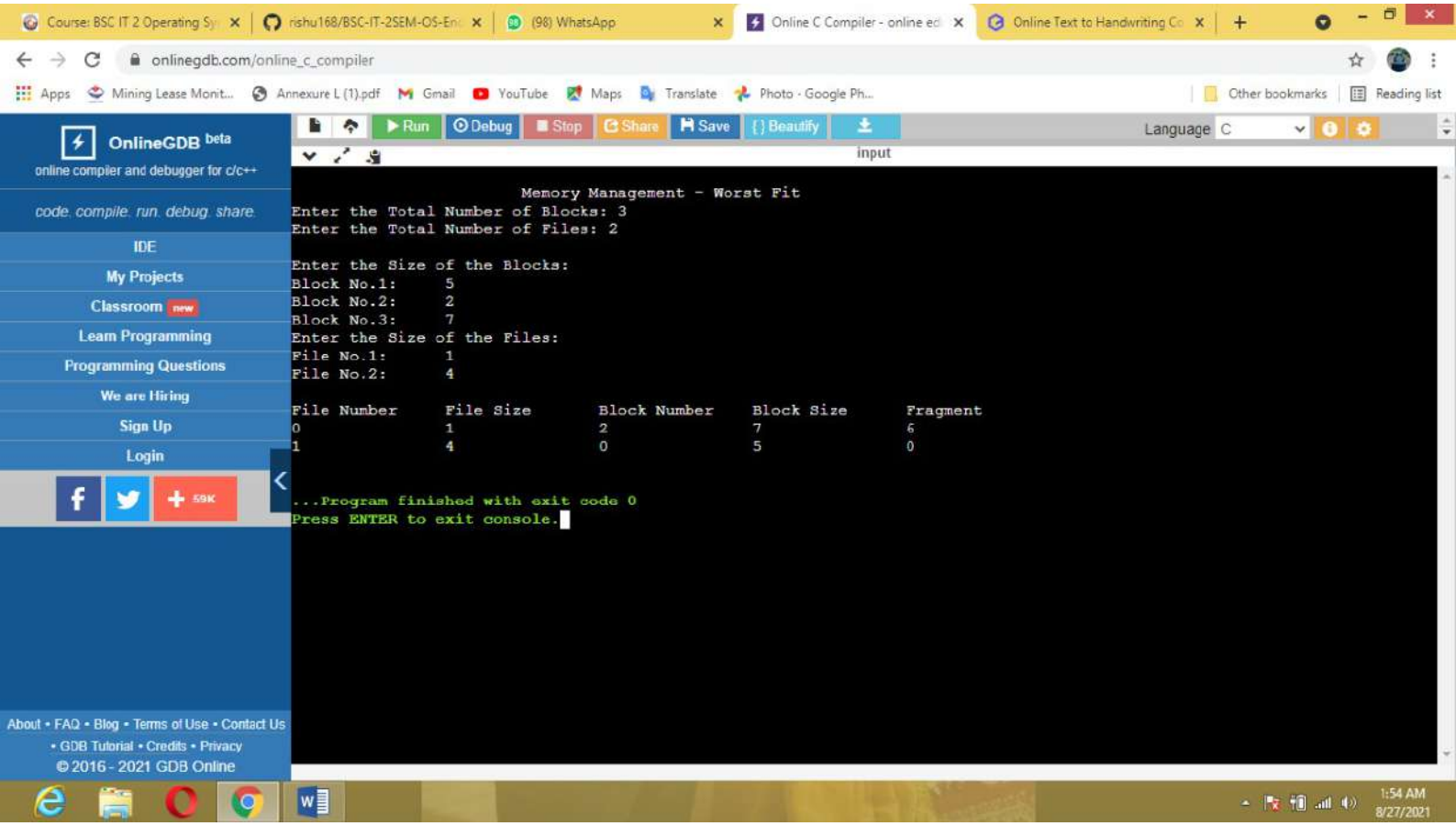
```
#include <stdio.h>
int main()
{
Printf("\n\t\t\t\tMemory Management"" - Wrost Fit");
    int i, j, nblocks, nfiles, temp, bp=0;
    int frag[10], blocks[10], files[10];
    static int block_arr[10], file_arr[10];
    Printf("\nEnter the Total Number"" of Blocks:");
    scanf("%d", &nblocks);
    Printf("Enter the Total Number"" of files:");
    scanf("%d", &nfiles);
    Printf("\nEnter the size of the"" Blocks:\n");
    for(i=0; i<nblocks; i++)
    {
    Printf("Block No.-%d:\t", i+1);
    scanf("%d", &blocks[i]);
    }
    Printf("Enter the size of the" "Files:\n");
    For(i=0; i<nfiles; i++)
```

Ritik

```
{
for(i=0;i<nfiles;i++)
{
for(j=0;j<nblocks;j++)
{
if(block_arr[j]!=1)
{
temp = blocks[j] - files[i];
if(temp>=0)
{
if(top<temp)
{
file_arr[i]=j;
top=temp;
}
}
}
}
frag[i]=top;
block_arr[file_arr[i]]=1;
top=0;
}
}
Printf("\nFile Number\tFile Size\t""Block Number\tBlock Size\tFragment");
for(i=0;i<nfiles;i++)
{
Printf("\n%d\t\t%d\t\t%d\t\t%d\t\t%d",
i, files[i],
file_arr[i], blocks[file_arr[i]], frag[i]);
}
```

```
Printf("\n");
return 0;
}
```

Rishi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Language C
input
Memory Management - Worst Fit
Enter the Total Number of Blocks: 3
Enter the Total Number of Files: 2
Enter the Size of the Blocks:
Block No.1: 5
Block No.2: 2
Block No.3: 7
Enter the Size of the Files:
File No.1: 1
File No.2: 4
File Number File Size Block Number Block Size Fragment
0 1 2 7 6
1 4 0 5 0
...Program finished with exit code 0
Press ENTER to exit console.
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