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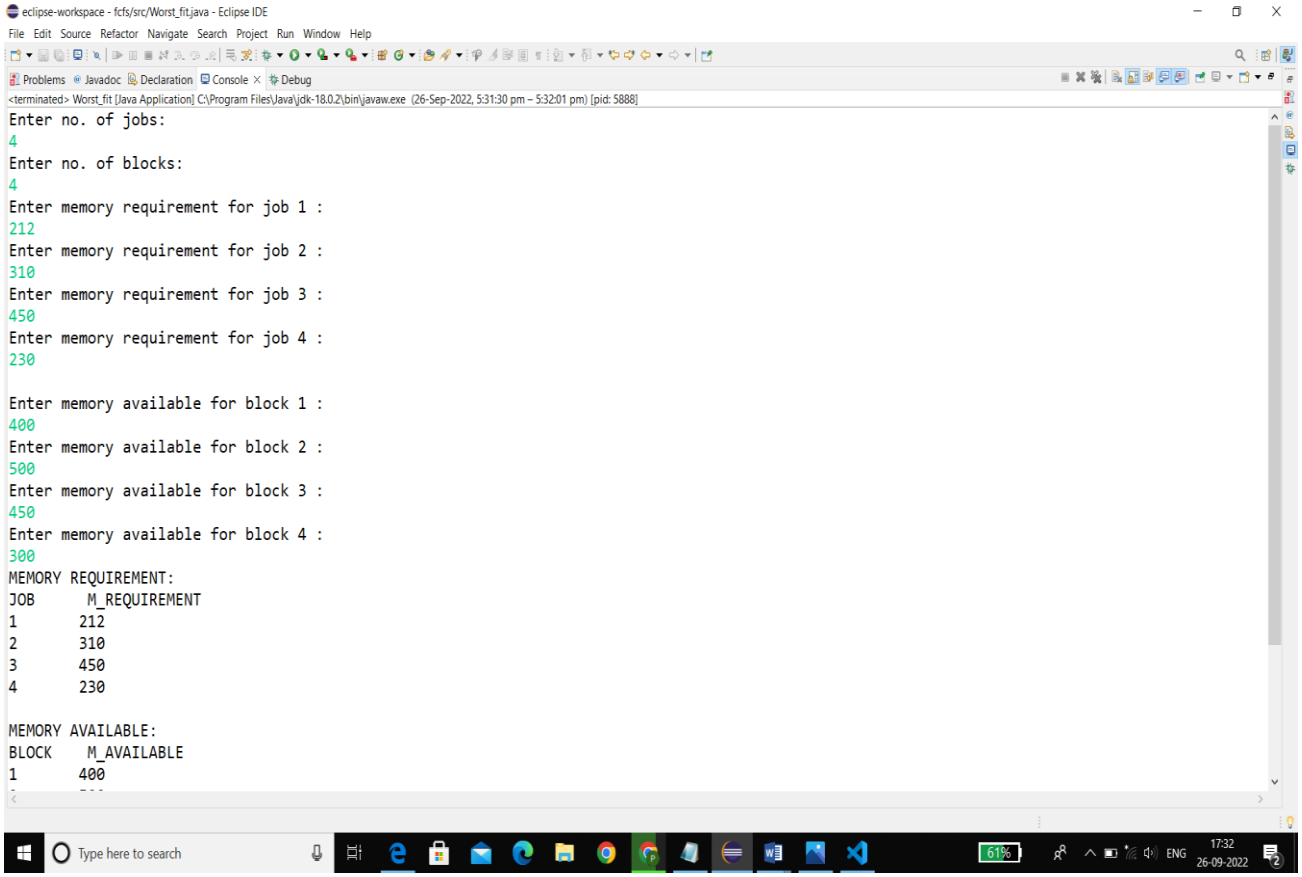
Worst fit

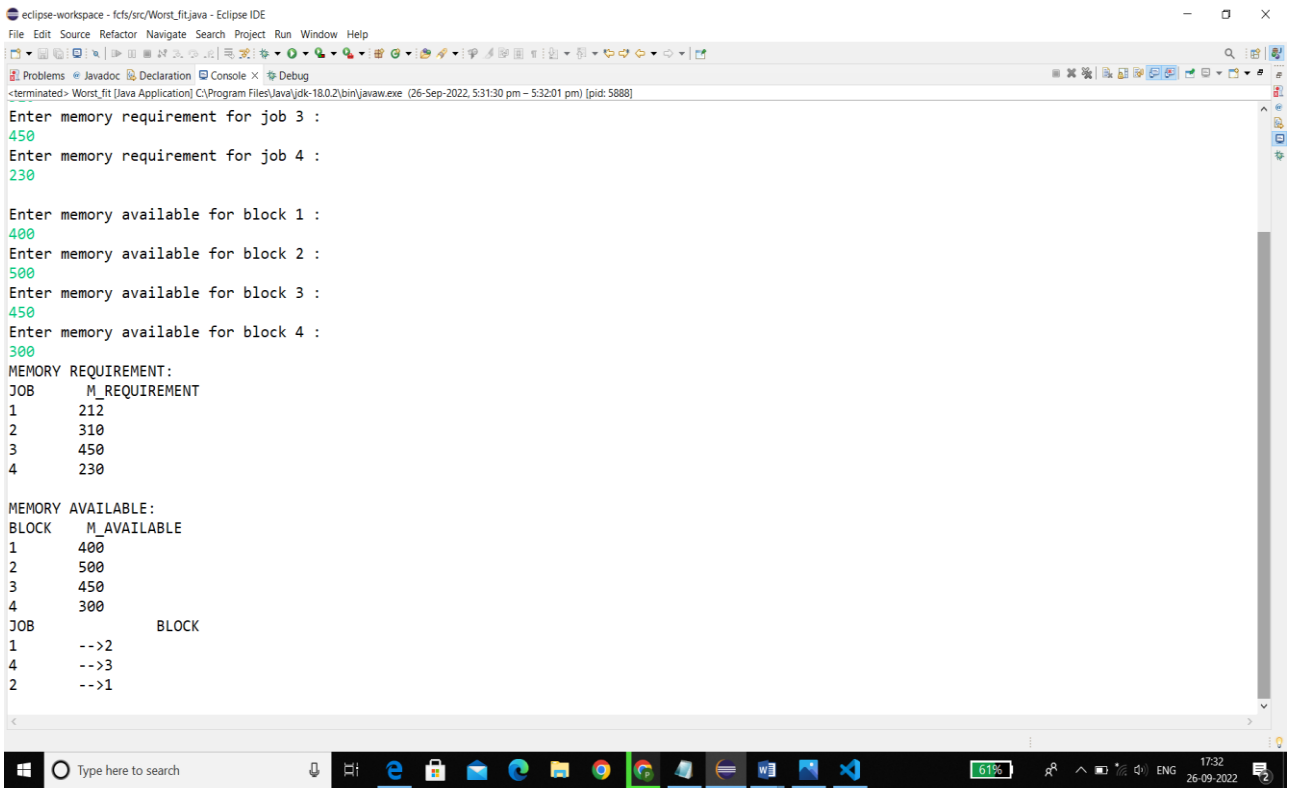
```
import java.util.Scanner;
public class Worst_fit
{
	public static void main(String args[])
	{
		Scanner sc=new Scanner(System.in);
		System.out.println("Enter no. of jobs: ");
		int n=sc.nextInt();
		int req[]=new int[n];
		int job[]=new int[n];
		System.out.println("Enter no. of blocks: ");
		int m=sc.nextInt();
		int b[]=new int[m];
		int avl[]=new int[m];
		int f[]=new int[m];
		int temp;

		for(int i=0;i<n;i++)
		{
			System.out.println("Enter memory requirement for job "+(i+1)+" : ");
			req[i]=sc.nextInt();
			job[i]=(i+1);
		}

		System.out.println();
		for(int i=0;i<m;i++)
		{
```

```
            System.out.println("Enter memory available for block "+(i+1)+" : ");
            avl[i]=sc.nextInt();
            b[i]=(i+1);
        }

        System.out.println("MEMORY REQUIREMENT:");
        System.out.println("JOB\t M_REQUIREMENT");
        for(int i=0;i<n;i++)
        {
            System.out.print(job[i]+"\t"+req[i]);
            System.out.println();
        }

        System.out.println();
        System.out.println("MEMORY AVAILABLE:");
        System.out.println("BLOCK\t M_AVAILABLE");
        for(int i=0;i<m;i++)
        {
            System.out.print(b[i]+"\t"+avl[i]);
            System.out.println();
        }

        for (int i=0;i<n;i++)
    {
        f[i]= 0;
    }

        for(int i = 0 ; i <n; i++)
        {
            for(int  j=0;  j < n-(i+1) ; j++)
```

```
        {
                if(req[j] > req[j+1])
                {
                        temp=req[j];
                        req[j]=avl[j+1];
                        req[j+1]=temp;
                        temp=job[j];
                        job[j]=job[j+1];
                        job[j+1]=temp;
                }
        }
}

for(int i = 0 ; i <n; i++)
{
        for(int  j=0;  j < n-(i+1) ; j++)
        {
                if(avl[j] < avl[j+1])
                {
                        temp=avl[j];
                        avl[j]=avl[j+1];
                        avl[j+1]=temp;
                        temp=b[j];
                        b[j]=b[j+1];
                        b[j+1]=temp;
                }
        }
}

System.out.println("JOB\t\t BLOCK");
```

```
            for(int i=0;i<n;i++)
            {
                  for(int j=0;j<m;j++)
                  {
                        if(req[i]<=avl[j] && f[j]==0)
                        {
                              f[j]=1;
                              System.out.println(job[i]+"\t-->"+b[j]);
                              break;
                        }
                  }
            }
            sc.close();

      }
}
```


eclipse-workspace - fcfs/src/Worst_fit.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Problems Javadoc Declaration Console Debug
<terminated> Worst_fit [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (26-Sep-2022, 5:31:30 pm – 5:32:01 pm) [pid: 5888]
Enter no. of jobs:
4
Enter no. of blocks:
4
Enter memory requirement for job 1 :
212
Enter memory requirement for job 2 :
310
Enter memory requirement for job 3 :
450
Enter memory requirement for job 4 :
230
Enter memory available for block 1 :
400
Enter memory available for block 2 :
500
Enter memory available for block 3 :
450
Enter memory available for block 4 :
300
MEMORY REQUIREMENT:
JOB M_REQUIREMENT
1 212
2 310
3 450
4 230
MEMORY AVAILABLE:
BLOCK M_AVAILABLE
1 400
Type here to search
61%
ENG
17:32
26-09-2022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<terminated> Worst_fit [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (26-Sep-2022, 5:31:30 pm – 5:32:01 pm) [pid: 5888]
Enter memory requirement for job 3 :
450
Enter memory requirement for job 4 :
230
Enter memory available for block 1 :
400
Enter memory available for block 2 :
500
Enter memory available for block 3 :
450
Enter memory available for block 4 :
300
MEMORY REQUIREMENT:
JOB M_REQUIREMENT
1 212
2 310
3 450
4 230
MEMORY AVAILABLE:
BLOCK M_AVAILABLE
1 400
2 500
3 450
4 300
JOB BLOCK
1 -->2
4 -->3
2 -->1
Type here to search
61%
ENG
17:32
26-09-2022