# Program:

import java.util.Scanner;

public class WorstFit {

static void worstFit(int blockSize[], int m, int processSize[],int n,int remblockSize[])

{

int allocation[] = new int[n];

for (int i = 0; i < allocation.length; i++) {

allocation[i] = -1;}

for (int i=0; i<n; i++)

{

int wstIdx = -1;

for (int j=0; j<m; j++)

{

if (blockSize[j] >= processSize[i])

{

if (wstIdx == -1)

wstIdx = j;

else if (blockSize[wstIdx] < blockSize[j])

wstIdx = j;

} }

if (wstIdx != -1)

{

allocation[i] = wstIdx;

blockSize[wstIdx] -= processSize[i];

remblockSize[i]=blockSize[wstIdx];

} }

System.out.println("\nProcess No.\tProcess Size\tBlock no.\tRemaninig Block Size");

for (int i = 0; i < n; i++)

{

System.out.print(" " + (i+1) + "\t\t" + processSize[i] + "\t\t");

if (allocation[i] != -1)

System.out.print((allocation[i] + 1)+"\t\t"+remblockSize[i]);

else

System.out.print("Not Allocated"+"\t"+remblockSize[i]);

System.out.println();

} }

public static void main(String[] args) {

int m,n,num;

Scanner in=new Scanner(System.in);

System.out.print("Enter how many number of blocks you want to enter:");

m=in.nextInt();

int remblockSize[]=new int[m];

int blockSize[]=new int[m];

for(int i=0;i<m;i++) {

System.out.print("Enter Data "+(i+1)+":");

num=in.nextInt();

blockSize[i]=num;

}

System.out.print("Enter how many number of process you want to enter:");

n=in.nextInt();

int processSize[]=new int[n];

for(int i=0;i<n;i++) {

System.out.print("Enter Data "+(i+1)+":");

num=in.nextInt();

processSize[i]=num;

}

worstFit(blockSize, m, processSize, n,remblockSize);

} }

## Output:

Enter how many number of blocks you want to enter:4

Enter Data 1:10

Enter Data 2:15

Enter Data 3:15

Enter Data 4:15

Enter how many number of process you want to enter:4

Enter Data 1:10

Enter Data 2:15

Enter Data 3:14

Enter Data 4:16

Process No. Process Size Block no. Remaninig Block Size

1 10 2 5

2 14 3 1

3 15 4 0

4 16 Not Allocated 0