

## 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