

main.c

Share

Run

```
1 #include <stdio.h>
2 int main() {
3     int blockSize[5]={100,500,200,300,600},processSize[4]={212,417,112,426};
4     int m=5,n=4,alloc[4],i,j,wst;
5     for(i=0;i<n;i++){ wst=-1;
6         for(j=0;j<m;j++)
7             if(blockSize[j]>=processSize[i])
8                 if(wst==-1||blockSize[j]>blockSize[wst]) wst=j;
9         if(wst!=-1){ alloc[i]=wst; blockSize[wst]-=processSize[i]; }
10        else alloc[i]=-1;
11    }
12    printf("Process\tSize\tBlock\n");
13    for(i=0;i<n;i++) printf("%d\t%d\t%s\n",i+1,processSize[i],
14        alloc[i]!=-1? (printf("B%d\n",alloc[i]+1),""): "Not Allocated");
15 }
16
```

Output

Process Size Block
B5
1 212
B2
2 417
B5
3 112
4 426 Not Allocated

=== Code Execution Successful ===