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COURSE-BSC IT
SECTION-A
STD ID-20052005

```
#include<stdio.h>
void main()
{
    int bsize[10], psize[10], bno, pno, flags[10],
allocation[10], i, j;
    for(i = 0; i < 10; i++)
    {
        flags[i] = 0;
        allocation[i] = -1;
    }
    printf("Enter no. of blocks: ");
    scanf("%d", &bno);
    printf("\nEnter size of each block: ");
    for(i = 0; i < bno; i++)
        scanf("%d", &bsize[i]);
    printf("\nEnter no. of processes: ");
    scanf("%d", &pno);
    printf("\nEnter size of each process: ");
    for(i = 0; i < pno; i++)
        scanf("%d", &psize[i]);
    for(i = 0; i < pno; i++)          //allocation as per first
fit
        for(j = 0; j < bno; j++)
            if(flags[j] == 0 && bsize[j] >= psize[i])
            {
```

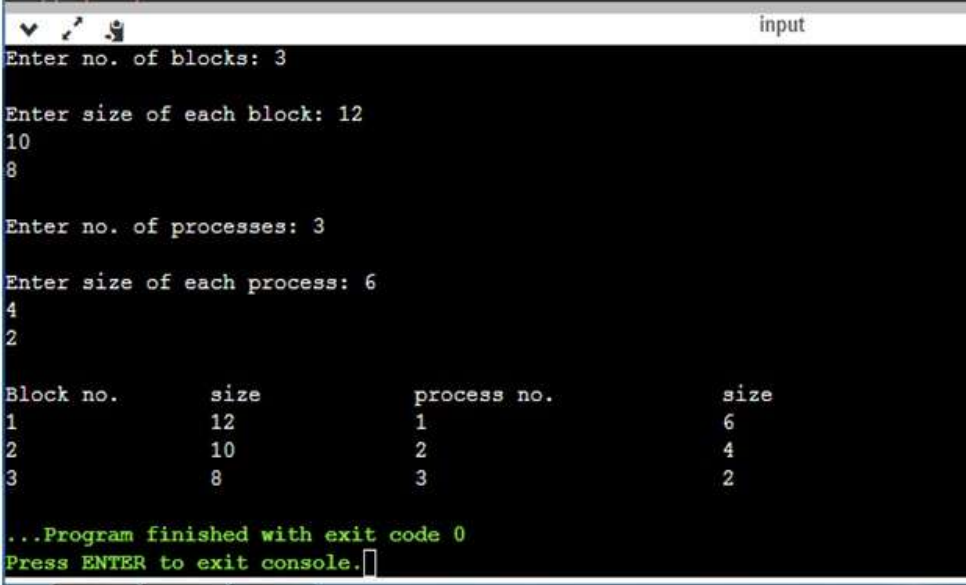
```

        allocation[j] = i;
        flags[j] = 1;
        break;
    }
    //display allocation details
    printf("\nBlock no.\tsize\tprocess no.\tsize");
    for(i = 0; i < bno; i++)
    {
        printf("\n%d\t%d\t", i+1, bsize[i]);
        if(flags[i] == 1)

            printf("%d\t\t%d",allocation[i]+1,psize[allocation
[i]]);
        else
            printf("Not allocated");
    }
}

```

output:



```

input
Enter no. of blocks: 3
Enter size of each block: 12
10
8
Enter no. of processes: 3
Enter size of each process: 6
4
2
Block no.      size      process no.      size
1              12          1                6
2              10          2                4
3              8           3                2
...Program finished with exit code 0
Press ENTER to exit console.

```