Name - Nihasika Sharma
University roll no - 2023071
Course - BSc. IT
Section - A
student id - 20052076.

```c
#include<stdio.h>
int 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:");
            for(i=0; i<pno; i++)
                scanf("%d", &psize[i]);
            for(j=0; i<pno; i++)
            for (j=0; j<bno; j++)
            if (flags[j] == 0 && bsize[j] >= psize[i])
            {
                allocation[j]=i;
                flags[j] =1;
                break;
            }
            printf("\nBlock no.|tsize|+|tprocessno.|t| tsize");
            for(i=0; i<bno; i++)
            {
                printf("\n%d|t|t%d| t|", i+1, bsize[i]);
                if (flags[i]==1
                    printf("%d|t|t|t%-d", allocation[i]+1 psize[allocation[i]]);
                else
                    printf("Not allocated");
            }
    }
```

Nihasika

C:\Users\niharikaa.sharma\OneDrive\Documents\gldji.exe

```
Enter no. of blocks: 4

Enter size of each block: 2
12
23
15

Enter no. of processes: 2

Enter size of each process: 2
12

Block no.        size            process no.          size
1                2               1                    2
2                12              2                    12
3                23              Not allocated
4                15              Not allocated
---------------------------------
Process exited after 16.87 seconds with return value 0
Press any key to continue . . .
```