EX 10 Best Fit - Memory Allocation

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```
liveuser@localhost-live:~

int wain() {
    int blockSize[18], processSize[18], blockNo[18];
    int i, j, nb, np;
    printf("Enter number of blocks: ");
    scanf("%d", %nb);
    printf("Enter number of blocks: n");
    scanf("%d", %nb);
    printf("Enter number of processes: ");
    scanf("%d", %nb);
    printf("Enter number of processes: ");
    scanf("%d", %np);
    printf("Enter number of processes: ");
    scanf("%d", %np);
    printf("Enter size of each process: n");
    for (i = 8; i < np; i++) {
        int bestids = -1;
        if (int bestids = -1;
        if (blockSize[j]) = processSize[j]) {
            if (blockSize[j]) = processSize[j] {
                blockSize[bestidx] = -1;
            }
        if (bestids = -1) {
            blockNo[i] = -1;
        }
    }
    printf("Process No.\tProcess Size\tBlock No.\n");
    for (i = 8; i < np; i++) {
            printf("Mott\tMotty", i + 1, processSize[j]);
        if (blockNo[i] = -1)
            printf("Mott\tMotty", i + 1, processSize[j]);
        if (blockNo[i] = -1)
            printf("Mott\tMotty", i + 1, processSize[j]);
        else
            printf("Not Allocated\n");
    }
    return 8;
}</pre>
```

```
Liveuser@localhost-live:~$ gcc best_fit.c -o best_fit
./best_fit
Enter number of blocks: 5
Enter size of each block:
188
508
288
308
688
Enter number of processes: 4
Enter size of each process:
212
417
112
426
Process No. Process Size Block No.
1 212 4
2 417 2
3 112 3
```

```
live
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liveuser@localhost-live:~$ cat > first_fit.c
#include <stdio.h>
int main() {
   int b[10], p[10], i, j, nb, np, flag[10] = {0};
        printf("Enter number of processes: ");
scanf("%d", &np);
printf("Enter size of each process:\n");
for (i = 0; i < np; i++)
    scanf("%d", &p[i]);</pre>
        printf("Process No.\tProcess Size\tBlock No.\n");
for (i = 0; i < np; i++) {
    for (j = 0; j < nb; j++) {
        if (!flag[j] && b[j] >= p[i]) {
            flag[j] = 1;
            printf("%d\t\t%d\t\t%d\n", i + 1, p[i], j + 1);
            break.
                return Θ;
}
liveuser@localhost-live:~$ gcc first_fit.c -o first_fit
./first_fit
Enter number of blocks: 5
Enter size of each block:
100 500 200 300 600
Enter number of processes: 4
Enter size of each process:
212 417 112 426
Process No. Process Size Block No.
1 212 2
                                212
417
                                                                  Not Allocated
 liveuser@localhost-live:~$
```