

## FIRST FIT STRATEGY

```
#include <stdio.h>

int main() {
    int blockSize[10], processSize[10], allocation[10], m, n, i, j;
    printf("Enter number of blocks: ");
    scanf("%d", &m);
    printf("Enter block sizes: ");
    for(i=0; i<m; i++) scanf("%d", &blockSize[i]);
    printf("Enter number of processes: ");
    scanf("%d", &n);
    printf("Enter process sizes: ");
    for(i=0; i<n; i++) scanf("%d", &processSize[i]);
    for(i=0; i<n; i++) allocation[i] = -1;
    for(i=0; i<n; i++) {
        for(j=0; j<m; j++) {
            if(blockSize[j] >= processSize[i]) {
                allocation[i] = j;
                blockSize[j] -= processSize[i];
                break;
            }
        }
    }
    printf("\nProcess No.\tProcess Size\tBlock No.\n");
    for(i=0; i<n; i++) {
        printf("%d\t\t%d\t\t", i+1, processSize[i]);
        if(allocation[i] != -1) printf("%d\n", allocation[i]+1);
        else printf("Not Allocated\n");
    }
    return 0;
}
```

}