# OPERATING SYSTEM - CS23431 EXP 10

**BEST FIT**

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n1=int(input("Enter memory block size: ")) memory\_block=[0]\*n1

print("Enter value for memoryblocks") for i in range(n1):

memory\_block[i]=int(input()) n2=int(input("Enter process block size: ")) process\_block=[0]\*n2

print("Enter value for processblocks") for i in range(n2):

process\_block[i]=int(input()) alloc=[0]\*n2

for i in range(n1): bestfit\_ind=-1

minrem\_memory=float('inf') for j in range(n2):

if memory\_block[j]>=process\_block[i]: rem\_memory=memory\_block[j]-process\_block[i] if rem\_memory<minrem\_memory:

minrem\_memory=rem\_memory bestfit\_ind=j

if bestfit\_ind!=-1: alloc[i]=bestfit\_ind

memory\_block[bestfit\_ind]-=process\_block[i] print(alloc)

# OUTPUT:

