OPERATING SYSTEM - CS23431

EXP 10

BEST FIT

NAME: ARUL JOTHI P ROLL NO: 230701034

PROGRAM(PYTHON):

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:

