//best fit 2

#include<stdio.h>

int main()

{

int fragment[20],b[20],p[20],i,j,block,process,temp,lowest=9999;

int blocks[20],processes[20];

printf("\n\t\t\tMemory Management Scheme - Best Fit");

printf("\nEnter the number of blocks:");

scanf("%d",&block);

printf("Enter the number of processes:");

scanf("%d",&process);

printf("\nEnter the size of the blocks:-\n");

for(i=1;i<=block;i++)

{

printf("Block no.%d:",i);

scanf("%d",&b[i]);

}

printf("\nEnter the size of the processes :-\n");

for(i=1;i<=process;i++)

{

printf("Process no.%d:",i);

scanf("%d",&p[i]);

}

for(i=1;i<=process;i++)

{

for(j=1;j<=block;j++)

{

if(blocks[j]!=1)

{

temp=b[j]-p[i];

if(temp>=0)

if(lowest>temp)

{

processes[i]=j;

lowest=temp;

}

}

}

fragment[i]=lowest;

blocks[processes[i]]=1;

lowest=10000;

}

printf("\nProcess\_no\tProcess\_size\tBlock\_size\tBlock\_no\tFragment");

for(i=1;i<=process && processes[i]!=0;i++)

{

printf("\n%d\t\t%d\t\t%d\t\t%d\t\t%d",i,p[i],p[i],blocks[i],processes[i],fragment[i]);

}

}

Output:

