//MVT MEMORY MANAGEMENT TECHNIQUE

#include<stdio.h>

main()

{

int ms,mp[10],i, temp,n=0;

char ch = 'y';

printf("\nEnter the total memory available (in Bytes)-- ");

scanf("%d",&ms);

temp=ms;

for(i=0;ch=='y';i++,n++)

{

printf("\nEnter memory required for process %d (in Bytes) -- ",i+1);

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

if(mp[i]<=temp)

{

printf("\nMemory is allocated for Process %d ",i+1);

temp = temp - mp[i];

}

else

{

printf("\nMemory is Full");

break;

}

printf("\nDo you want to continue(y/n) -- ");

scanf(" %c", &ch);

}

printf("\n\nTotal Memory Available -- %d", ms);

printf("\n\n\tPROCESS\t\t MEMORY ALLOCATED ");

for(i=0;i<n;i++)

printf("\n \t%d\t\t%d",i+1,mp[i]);

printf("\n\nTotal Memory Allocated is %d",ms-temp);

printf("\nTotal External Fragmentation is %d",temp);

getch();

}