**First Fit:**

**import java.util.\*;**

**public class MMT {**

**public static void main(String[] args) {**

**Scanner s = new Scanner(System.*in*);**

**System.*out*.println("How many jobs do you want to enter: ");**

**int j = s.nextInt();**

**int job[] = new int[j];**

**System.*out*.println("How many memory blocks do you want to enter: ");**

**int m = s.nextInt();**

**int mem[] = new int[m];**

**int flag[] = new int[m];**

**int allocation[] = new int[j];**

**for (int i = 0; i < j; i++) {**

**System.*out*.println("Enter the memory required for Job " + (i + 1) + ": ");**

**job[i] = s.nextInt();**

**allocation[i] = -1;**

**}**

**for (int i = 0; i < m; i++) {**

**System.*out*.println("Enter the size of Memory Block " + (i + 1) + ": ");**

**mem[i] = s.nextInt();**

**flag[i] = 0;**

**}**

**for (int i = 0; i < j; i++) {**

**for (int k = 0; k < m; k++) {**

**if (job[i] <= mem[k] && flag[k] == 0) {**

**allocation[i] = k;**

**flag[k] = 1;**

**System.*out*.println("Job " + (i + 1) + " allocated to Memory Block " + (k + 1));**

**break;**

**}**

**}**

**if (allocation[i] == -1) {**

**System.*out*.println("Job " + (i + 1) + " could not be allocated.");**

**}**

**}**

**System.*out*.println("\nJob No.\tJob Size\tAllocated Block");**

**for (int i = 0; i < j; i++) {**

**System.*out*.print((i + 1) + "\t" + job[i] + "\t\t");**

**if (allocation[i] != -1) {**

**System.*out*.println(allocation[i] + 1);**

**} else {**

**System.*out*.println("Not Allocated");**

**}**

**}**

**}**

**}**

