**import** java.util.Scanner;

**public** **class** WorstFit {

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

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

**int** memoryUtilize = 0;

System.***out***.println("Enter the number of jobs: ");

**int** jobno = scanner.nextInt();

System.***out***.println("Enter the number of blocks: ");

**int** blockno = scanner.nextInt();

**int**[] jobs = **new** **int**[jobno];

**int**[] blocks = **new** **int**[blockno];

**boolean**[] flag = **new** **boolean**[blockno];

**int**[] internalFrag = **new** **int**[jobno];

System.***out***.println("Enter the sizes of jobs: ");

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

jobs[j] = scanner.nextInt();

}

System.***out***.println("Enter the sizes of blocks: ");

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

blocks[i] = scanner.nextInt();

}

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

**int** worstIndex = -1;

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

**if** (jobs[j] <= blocks[i] && !flag[i]) {

**if** (worstIndex == -1 || blocks[i] > blocks[worstIndex]) {

worstIndex = i;

}

}

}

**if** (worstIndex != -1) {

flag[worstIndex] = **true**;

memoryUtilize += jobs[j];

internalFrag[j] = blocks[worstIndex] - jobs[j];

System.***out***.println("Job " + j + " is fitted in block no. " + worstIndex + " with internal fragmentation: " + internalFrag[j]);

} **else** {

System.***out***.println("Job " + j + " cannot be allocated.");

}

}

System.***out***.println("Total memory utilized: " + memoryUtilize);

System.***out***.println("Internal Fragmentation for each job: ");

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

System.***out***.println("Job " + j + ": " + internalFrag[j]);

}

}

}

