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| **2019년 9월 23일 실습보고서** |
| **학번 : 201810754, 이름 : 조윤직** |
| **실습자료1 : [배열 생성 및 출력]** |
| **소스코드** |
| package java\_0923;  import java.util.Random;  import java.lang.Math;  import java.util.Scanner;  public class Testmain {  static Scanner *scan* =new Scanner(System.***in***);    public static void lab01() {  int[][] arr =*makeArray2D*();  *printarr*(arr);  }  public static int[][] makeArray2D() {  Random rand =new Random();    System.***out***.print("원하는 층의 개수를 입력하세요 :");    int []count= new int[*scan*.nextInt()];  int [][] array =new int[count.length][];  for(int i=0;i<count.length;i++) {  System.***out***.print(i+"층의 방의 개수 : ");  count[i]= *scan*.nextInt();  array[i] = new int[count[i]];  }  for(int i=0;i<count.length;i++)  for(int j=0;j<count[i];j++)  array[i][j] = rand.nextInt(100);  return array;  }  public static void printarr(int[][] arr) {  for(int i=0;i<arr.length ;i++) {  System.***out***.print(i+"층 : ");  for(int j=0; j<arr[i].length;j++) {  System.***out***.print(arr[i][j]+" ");  }  System.***out***.println();  }  }  public static void main(String[] args) {  System.***out***.println("201810754 조윤직");  *lab01*();  }    } |
| **실행결과** |
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| **실습자료2 : [맵 출력하기]** |
| **소스코드** |
| package java\_0923;  import java.util.Random;  import java.io.FileNotFoundException;  import java.lang.Math;  import java.util.Scanner;  import java.io.File;  public class Testmain {  public static void lab02() {  int[][] map = *readMap*();  *showMap*(map);  }  public static void showMap(int[][] map) {  // **TODO** Auto-generated method stub  String[] map\_com = {"□","■","@"};  for(int [] i :map) {  for(int j : i) {  System.***out***.print(map\_com[j] + “ ”);  }  System.***out***.println();  }  }  public static int[][] readMap(){  int[][] map =null;  File file = new File("map.txt");    try {  Scanner scanner = new Scanner(file);  int row = scanner.nextInt();  int col = scanner.nextInt();  map =new int [row][col];    for(int i=0;i< map.length;i++) {  for(int j=0;j<map[i].length;j++) {  map[i][j] = scanner.nextInt();  }  }  scanner.close();    } catch(FileNotFoundException e) {  System.***out***.println("파일 이름과 경로를 확인하세요!!!");  }    return map;  }      public static void main(String[] args) {  System.***out***.println("201810754 조윤직");  *lab02*();  }    } |
| **실행결과** |
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