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Batch: JCAWS7 – B12

Java Assessment Coding

Sol 1):

**import** java.util.ArrayList;

**import** java.util.Scanner;

**public** **class** Q1 {

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

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

**int** n = sc.nextInt();

ArrayList<ArrayList<Integer>> arr = **new** ArrayList<ArrayList<Integer>>(n);

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

**int** num = sc.nextInt();

ArrayList<Integer> a1 = **new** ArrayList<Integer>();

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

a1.add(sc.nextInt());

}

arr.add(a1);

}

System.***out***.println("The output is");

**int** q = sc.nextInt();

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

**int** x = sc.nextInt() - 1;

**int** y = sc.nextInt() - 1;

**if** (y > (arr.get(x).size()) - 1) {

System.***out***.println("ERROR!");

}

**else** {

System.***out***.println(arr.get(x).get(y));

}

}

}

}

Sol 2):

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.List;

**import** java.util.Scanner;

**public** **class** Q2 {

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

List<Integer> list = **new** ArrayList<>();

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

**int** n = sc.nextInt();

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

list.add(sc.nextInt());

}

**int** q = sc.nextInt();

**for** (**int** i = 1; i <= q; i++) {

String c = sc.next();

**if** (c.equals("Insert")) {

**int** x = sc.nextInt();

**int** y = sc.nextInt();

list.add(x, y);

} **else** {

**int** z = sc.nextInt();

list.remove(z);

}

}

System.***out***.println("The final output is");

Iterator<Integer> iterate = list.iterator();

**while** (iterate.hasNext()) {

System.***out***.print(iterate.next() + " ");

}

}

}

Sol 3):

**import** java.util.HashMap;

**import** java.util.Scanner;

**public** **class** Q3 {

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

HashMap<String, Integer> hash = **new** HashMap<>();

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

**int** n = sc.nextInt();

sc.nextLine();

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

String name = sc.nextLine();

**int** phone = sc.nextInt();

sc.nextLine();

hash.put(name, phone);

}

**while** (sc.hasNext()) {

String s = sc.nextLine();

**try** {

**int** out = hash.get(s);

System.***out***.println(s + "=" + out);

} **catch** (Exception e) {

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

}

}

}

}