2.

**public** **class** StepTracker {

**private** **int** totalSteps;

**private** **int** activeDays;

**private** **int** maxSteps;

**private** **int** days;

**public** StepTracker(**int** maxSteps) {

**this**.maxSteps = maxSteps;

**this**.totalSteps = 0;

**this**.activeDays = 0;

**this**.days = 0;

}

**public** **void** addDailySteps(**int** steps) {

**if** (steps >= maxSteps) {

activeDays ++;

}

totalSteps += steps;

}

**public** **int** activeDays() {

**return** activeDays;

}

**public** **double** averageSteps() {

**return** totalSteps / days;

}

}

3.

a)

public ArrayList<String> getdelimiterList(String[] tokens) {

ArrayList<String> delimiter = new ArrayList<String>();

for (String token: tokens) {

if (str.equals(this.openDel) || str.equals(this.closeDel)) {

delimiter.add(token);

}

}

return delimiter;

}

b)

public boolean isBalanced(ArrayList<String> delimiter) {

int openCount = 0;

int closeCount = 0;

for (String delimiter: delimiter) {

if (str.equals(openDel)) {

openCount ++;

} else {

closeCount ++;

}

if (closeCount > openCount) {

return false;

}

}

if (openCount == closeCount) {

return true;

} else {

return false;

}

}