```
1.
public static string flip() {
if (Math.random() > 0.33) {
return "head";
}
else {
return "tails";
}
}
  2.
public static boolean arePermutations(int[] a, int[] b){
for(int i = 0; i < a.length; i++){</pre>
boolean test1 = false;
for(int k = 0; k < b.length; k++){
if(a[i] == b[k]){
test1 = true;
}
}
if(test1){
return true;
}
}
return false;
  3. 1, 2, 2, 2
```