

Describe the errors you've encountered while working on this assignment. What caused the error and how do you overcome the error?

> facing wrong way.

```
for (int count = 0; count > 25; count++) {  
    ranNum = r.nextInt(0,100);  
    if ((ranNum % 2) != 0) {  
        odds[oddCount] = ranNum;  
        oddCount++;  
    }  
    else {  
        evens[evenCount] = ranNum;  
        evenCount++;  
    }  
}
```

Odds:
0,
Evens:
0, 0,

```
for (int count = 0; count < 25; count++) {  
    ranNum = r.nextInt(0,100);  
    if ((ranNum % 2) != 0) {  
        odds[oddCount] = ranNum;  
        oddCount++;  
    }  
    else {  
        evens[evenCount] = ranNum;  
        evenCount++;  
    }  
}
```

Odds:
83, 35, 57, 7, 95, 89, 15, 7, 11, 13, 29, 11, 67, 59, 45, 59, 3, 41, 0, 0, 0, 0, 0, 0, 0,
Evens:
78, 44, 76, 26, 52, 64, 16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,

Extra zeros. Used an array list instead.

```
for (int count = 0; count < 25; count++) {  
    ranNum = r.nextInt(0,100);  
    if ((ranNum % 2) != 0) {  
        odds[oddCount] = ranNum;  
        oddCount++;  
    }  
    else {  
        evens[evenCount] = ranNum;  
        evenCount++;  
    }  
}
```

Odds:
83, 35, 57, 7, 95, 89, 15, 7, 11, 13, 29, 11, 67, 59, 45, 59, 3, 41, 0, 0, 0, 0, 0, 0, 0, 0,
Evens:
78, 44, 76, 26, 52, 64, 16, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,

```
for (int count = 0; count < 25; count++) {  
    ranNum = r.nextInt(0,100);  
    if ((ranNum % 2) != 0) {  
        odds.add(ranNum);  
    }  
    else {  
        evens.add(ranNum);  
    }  
}
```

Odds:
73 9 61 45 77 11 45 41 41
Evens:
90 56 60 76 90 20 94 46 84 58 62 8 56 22 82 86