

Credit Name: CSE2140 2nd Language Programming

Assignment Name: Evens And Odds Mastery

How has your program changed from planning to coding to now? Please explain?

Declared an int variable for the random numbers and created 2 empty array lists for even and odd.

```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
    //Declaration area  
    int ranNum;  
    ArrayList<Integer> evens = new ArrayList<Integer>();  
    ArrayList<Integer> odds = new ArrayList<Integer>();  
}
```

Prepared to import random numbers.

```
//Preparing to import random number  
Random r = new Random();
```

Used a for loop that will loop 25 times to get 25 random numbers, which will then added to the even or odd array list.

```
//Loops 25 times, adding each random number to either the odd or even array list  
for (int count = 0; count < 25; count++) {  
    ranNum = r.nextInt(0,100);  
    if ((ranNum % 2) != 0) {  
        odds.add(ranNum);  
    }  
    else {  
        evens.add(ranNum);  
    }  
}
```

Displayed the odd and even array list using a for loop for each element in the list.

```
//Display each element in odds array list  
System.out.println("Odds:");  
for (int element : odds) {  
    System.out.print(element + " ");  
}
```

```
//Display each element in evens array list
```

```
//Display each element in evens array list
System.out.println("\nEvens:");
for (int element : evens) {
    System.out.print(element + " ");
}
```
