

CSSE 220 – Object-Oriented Software Development  
Rose-Hulman Institute of Technology

## Worksheet 17

Name (Print): \_\_\_\_\_ Section: \_\_\_\_\_

1. True/False main() executes one statement at a time.
2. 1) For a single update (e.g. single move), use \_\_\_\_\_  
1) For a recurring event, use \_\_\_\_\_
3. \_\_\_\_\_ Exception happens when you try to change something that is being used.
4. List 2 ways to traverse a Collection (ArrayList):  
1)  
2)
5. Suppose you have an ArrayList a with the following elements: 7,10,13,15. When you call regularFor(a), what will be the output?

```
1
2 public static void regularFor(ArrayList<Integer> a) {
3     for (int i = 0; i < a.size(); i++) {
4         System.out.print(a.get(i) + " ");
5         a.remove(0);
6     }
7 }
8
9 //Output: -----
```

6. You made some modification in your loop. When you call `regularFor(a)`, what will be the output?

```

1
2 public static void regularFor(ArrayList<Integer> a) {
3     int k = a.size();
4     for (int i = 0; i < k; i++) {
5         System.out.print(a.get(i) + " ");
6         a.remove(0);
7     }
8 }
9
10 // Output:  -----

```

7. You decided to update your for loop to enhanced for loop . When you call `enhancedFor(a)`, what will be the output?

```

1 public static void enhancedFor(ArrayList<Integer> a) {
2     for (Integer i : a) {
3         System.out.println(i);
4         a.remove(0);
5     }
6 }
7 #Output:  -----

```

8. Complete with the names of method

Task	Method
One-time GUI startup	
Single update	
Recurring or timed updates	

9. Parameters in Timer

```

1
2 Timer time = new Timer(_____, _____);

```

10. \_\_\_\_\_ : the process of determining whether two objects overlap or touch.