1. Write a code fragment that rolls a die 100 times and counts the number of times a 3 comes up. If you prefer to use a language other than Java, feel free.
2. **import** java.util.\*;
3. **public** **class** DieRoll100
4. {
5. **public** **static** **void** main(String[] args) {
7. Random rdm = **new** Random();
8. **int** occurence = 0;

11. **for**(**int** counter = 0; counter < 100; counter++) {
12. **int** dRoll = rdm.nextInt(6) + 1;
13. **if** (dRoll == 3) {
14. occurence++;
15. }
16. System.***out***.println("Iteration: " + counter + "\n Roll: " + dRoll + " \n New occurence of \"3\" Roll: " + occurence);
18. }
20. }
21. }
22. Refer to the For Statement section in this week's presentation. Write a for-each loop that prints all of the Student objects in an ArrayList<Student> object called roster. Write this piece in Java.

Student.java

**import** java.util.\*;

**public** **class** Student

{

String name;

**public** Student(String sName) {

name = sName;

}

**public** String toString() {

**return** name;

}

}

StudentRoster.java

**import** java.util.\*;

**public** **class** StudentRoster

{

**public** **static** **void** main(String[] args) {

ArrayList<Student> roster = **new** ArrayList<Student>();

roster.add(**new** Student("Julia"));

roster.add(**new** Student("Walter"));

roster.add(**new** Student("Mia"));

**for** (Student str: roster) {

System.***out***.println(str);

}

}

}