```
import java.util.Random;
public class OneOfEachStats {
    public static void main(String[] args) {
        // Gets the two command-line arguments
        int T = Integer.parseInt(args[0]);
        int seed = Integer.parseInt(args[1]);
        Random generator = new Random(seed);
        double birth = generator.nextDouble();
        int numOfBoys = 0;
        int numOfGirls = 0;
        int numOfKids = 0;
        int familiesTwo = 0;
        int familiesThree = 0;
        int familiesFour = 0;
        double sumOfKids = 0;
        for (int i = 0; i <= T; i++) {
            numOfBoys = 0;
            numOfGirls = 0;
            numOfKids = 0;
            while (numOfGirls < 1 || numOfBoys < 1) {</pre>
                if (birth < 0.5) {
                    numOfBoys++;
                } else if (birth > 0.5) {
                    numOfGirls++;
                birth = Math.random();
                numOfKids++;
            sumOfKids += numOfKids;
            if (numOfKids == 2) {
                familiesTwo++;
            } else if (numOfKids == 3) {
                familiesThree++;
            } else if (numOfKids >= 4) {
                familiesFour++;
        double average = (sum0fKids / T);
        int max = (int) Math.max(familiesTwo, (int) Math.max(familiesThree,
familiesFour));
        System.out.println("Average: " + average + " children to get at least one
of each gender.");
        System.out.println("Number of families with 2 children: " + familiesTwo);
        System.out.println("Number of families with 3 children: " +
familiesThree):
```

```
System.out.println("Number of families with 4 or more children: " +
familiesFour);
   if (max == familiesTwo) {
        System.out.println("The most common number of children is 2");
   } else if (max == familiesThree) {
        System.out.println("The most common number of children is 3");
   } else {
        System.out.println("The most common number of children is 4 or more");
   }
}
```