

Java
Aliasing Worksheet #1

Name-
Period-

Print the output of each statement on the lines below. If an error would occur, print "error".

1.

```
public class Exercise1
{
    public static void main(String[] args)
    {
        Bug flik = new Bug(Color.GREEN, 90, 0, 0); // color, direction, row, column
        Bug atta = new Bug(Color.GREEN, 90, 1, 2); // color, direction, row, column

        System.out.println(flik.getLocation()); // 1. _____
        atta = flik;
        System.out.println(flik.getLocation()); // 2. _____
        flik = null;
        System.out.println(flik.getLocation()); // 3. _____

        System.out.println(atta.getLocation()); // 4. _____

        flik = new Bug(Color.RED, 90, 3, 4);
        System.out.println(flik.getLocation()); // 5. _____

        System.out.println(flik.myColor); // 6. _____
        flik.setLocation(atta.getLocation());
        System.out.println(flik.getLocation()); // 7. _____
    }
}
```

2.

```
public class Exercise3
{
    public static void main(String[] args)
    {
        Bug flik = new Bug(Color.GREEN, 180, 10, 9); // color, direction, row, column
        Bug atta = new Bug(Color.BLUE, 90, 13, 8); // color, direction, row, column

        System.out.println(atta.getLocation()); // 1. _____

        System.out.println(flik.getLocation()); // 2. _____
        flik = atta;
        atta.setLocation(7, 11);
        System.out.println(flik.getLocation()); // 3. _____

        System.out.println(atta.getLocation()); // 4. _____

        flik = null;
        System.out.println(flik.setLocation(5, 6)); // 5. _____
        atta.setLocation(12, 4);
        System.out.println(atta.getDirection()); // 6. _____
        turnRight(atta);
        System.out.println(atta.getLocation()); // 7. _____
    }

    public static void turnRight(Bug anyBug)
    {
        anyBug.setDirection(anyBug.getDirection() + 90);
    }
}
```