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Question 1

1. Weekdays – class, Friday – object
2. Java – object, Language – class
3. Bird – class, Eagle – object
4. Bob – object, Employee – class
5. Student – class, Alice – object

Question 2

```
public class ColorGenerator {  
    public static Color randomColor() {  
        Random rand = new Random();  
        int red = rand.nextInt(256);  
        int green = rand.nextInt(256);  
        int blue = rand.nextInt(256);  
        return new Color(red, green, blue);  
    }  
}
```

Question 3

- 1)

```
public interface Visible {  
    boolean makeVisible();  
    boolean makeInvisible();  
}
```
- 2)

```
public class VisibilityControl implements Visible {  
    public boolean makeVisible() {  
        if (!isVisible) {  
            isVisible = true;  
            return true;  
        } else {  
            return false;  
        }  
    }  
    public boolean makeInvisible() {  
        if (isVisible) {  
            isVisible = false;  
            return true;  
        } else {  
            return false;  
        }  
    }  
}
```