```
import java.awt.*;
/**
 * Title
         : Cat.java
 * Description: This class contains the definition of a cat.
 * Copyright : Copyright (c) 2006-2019
 * @author Laurissa Tokarchuk
* @version 1.0 
* @author Paula Fonseca
 * @version
           1.3
 */
public class Cat {
   // Declaration of instance variables.
   String name, furType;
   boolean tail;
   Color colour;
   int
           speed;
   /** This is the sleep method for the cat. It dictates the number of
     * minutes the cat sleeps.
     * @param duration The number of minutes to sleep.
     */
   public void sleep(int duration) {
       System.out.println("I am sleeping for " + duration + " minutes.");
    }
   /** This method allows the cat to run. The distance (in a straight line)
     * the cat runs is dependent on how long the cat runs and whether or not
     * it is running in a zigzag.
     * @param duration The number of minutes to run.
       @param zigzag Whether to run in a zigzag pattern.
       @return int Number of metres ran.
     */
   public int run(int duration, boolean zigzag) {
```