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import java.util.*;

public class Main {
    public static void main(String[] args) {
    Car car = new Car("dfd", 9);
    car.rev();
    car.ride(5, 11.0);
    car.checkOil();
    car.changeOil();
    Dog dog = new Dog("gfdsghf", 3858348);
    dog.bark();
    dog.run();
    dog.run();

    Student student = new Student("ok 1", "ok 2", 387437);
    System.out.println(student.calculate(8.0, 4.0, "/"));

    AssignmentTest test = new AssignmentTest();
    System.out.println(test.test());
  }
}
public class Car {
  String make;
  int year;
  int miles = 0;
  int oilChange = 0;
  Car(String make, int year) {
    this.make = make;
    this.year = year;
  }
  void rev() {
    System.out.println("wroom");
  }
  double ride(int addMiles, double speedMph) {
    miles += addMiles;
    oilChange += addMiles;
    rev();
    // time in minutes = (hours) * 60 = (miles / speed) * 60
    return (addMiles / speedMph);
  }
  boolean checkOil() {
    return oilChange >= 5000;
  }
  void changeOil() {
```

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    oilChange = 0;
}
}
public class Dog {
  String name;
  int age;
  Dog(String name, int age) {
    this.name = name;
    this.age = age;
  }
  int runs = 0;
  void bark() {
    System.out.println("bark bark bark");
    }

  void run() {
    runs++;
    if (runs % 2 == 1) {
        System.out.println("dog running bro");
    } else {
        System.out.println("dog tired bro");
    }
}
}
public class Student {
  String firstName;
  String lastName;
  int studentId;
  Student(String firstName, String lastName, int studentId) {
    this.firstName = firstName;
    this.lastName = lastName;
    this.studentId = studentId;
  }
  double calculate(double num1, double num2, String operator) {
     if (operator.equals("+")) {
        return num1 + num2;
      } else if (operator.equals("-")) {
        return num1 - num2;
      } else if (operator.equals("*")) {
        return num1 * num2;
      } else if (operator.equals("/")) {
        return num1 / num2;
      } else {return Double.NaN;}
}
```

```
}
public class AssignmentTest {
  static String test() {
    Car myCar = new Car("block mobile", 1);
    Dog myDog = new Dog("blalalalalala", 77);
    Student myStudent = new Student("student", "cool emoji", 4);
    return "car make: " + myCar.make + "\n" + "car year: " + myCar.year +  "\n" +
          "dog name: " + myDog.name + "\n" + "dog age: " + myDog.age + "\n" +
          "student first name: " + myStudent.firstName + "\n" + "student last name: " +
          myStudent.lastName +  "\n" + "student id: " + myStudent.studentId;

  }
}
```