- You must draw a diagram for the below programs on your answer sheet.

6. Complete the following program.

```
class Demo {
        public static void main(String args[]) {
                Date date = new Date();
                date.setYear(2000);
                date.setMonth(07);
                date.setDay(25);

                date.printDate();       // 2000-07-25
        }
}
```

7. Complete the following program.

```
class Demo {
        public static void main(String args[]) {
                Employee e1 = new Employee();
                e1.setValues(1, "Kamal", "Galle", 25000.00);

                Employee e2 = new Employee(2, "Saman", "Panadura", 15000.00);
                e2.printValues();       // 2 - Saman - Panadura - 15000.00
        }
}
```

8. Convert the following class to a **Tightly Encapsulated class** with the getter-setter methods and constructors.

```
class Radio {
        private String manufacturedDate;
        double price;
}
```

9. You need to create a Cat class, which includes name and color properties. Both have private access to their own class. Create 5 cat objects and save them on an Array inside the main method.

10. Complete the following program.

```java
class Demo {
        public static void main(String args[]) {
                Triangle tr = new Triangle();
                //tr.base = 10.00;        // Compile error
                tr.setBase(10.00);
                tr.setHeight(12.00);

                System.out.println(tr); // { Base = 10.00, Height = 12.00 }
        }
}
```