

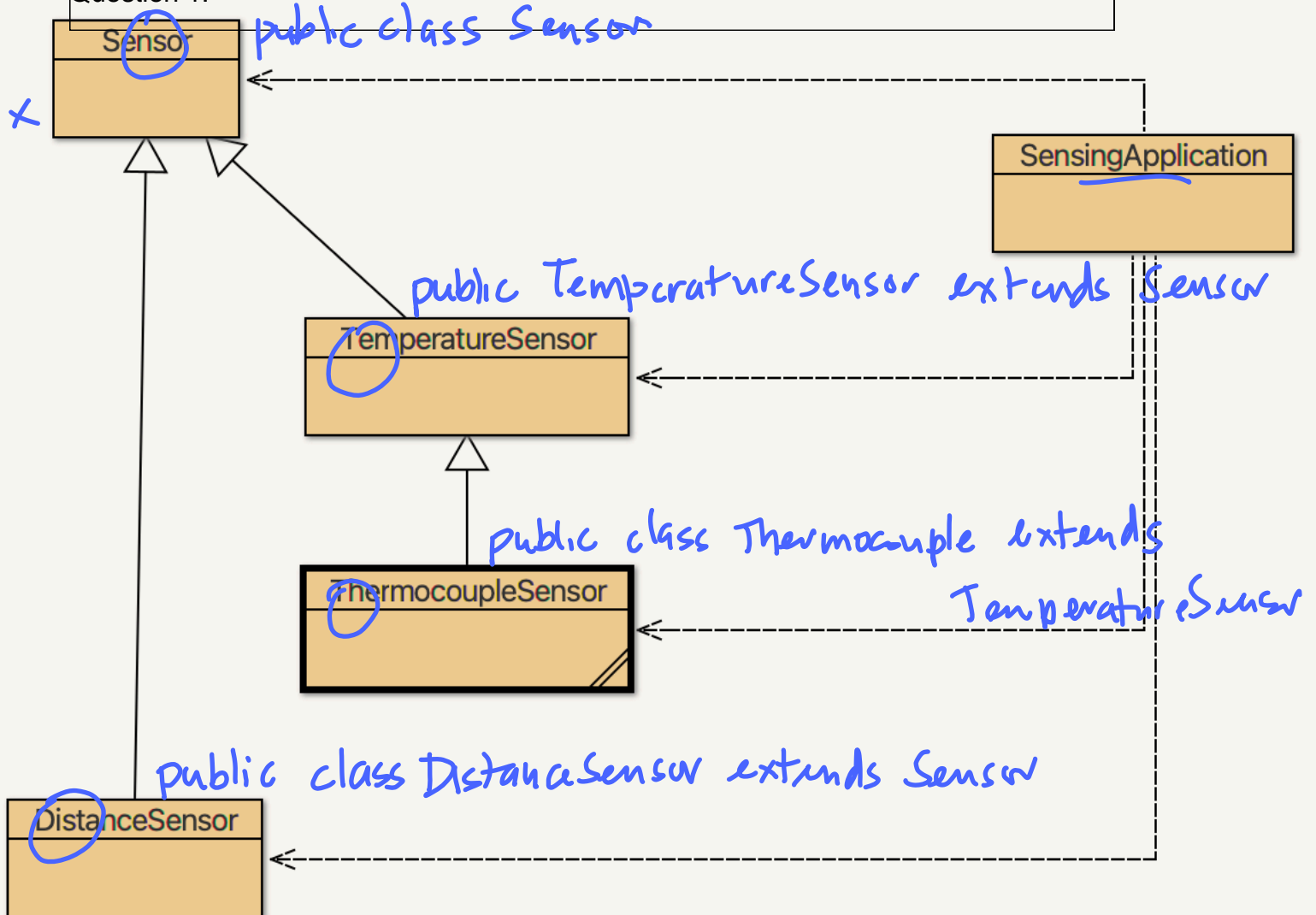
1. Write the class declarations for the following class shown in the UML below.

Assume that Sensor is a concrete class.

- (i) Sensor
- (ii) Temperature Sensor
- (iii) Distance Sensor
- (iv) Thermocouple Sensor

2. Write the code for the SensingApplication class which only has a main method.

3. In the SensingApplication class, create one instance each of the classes from Question 1.



`public class SensingApplication {`

`public static void main(String[] args){`

`Sensor s = new Sensor();`

`TemperatureSensor ts = new TemperatureSensor();`

`}`

`}`