**SESSION #4.2**

1. Chapter 2 Overview of Java – Java Complete Reference 11th edition – Herbert Schildt
2. Chapter 7 Overview of Java – Java Complete Reference 11th edition – Herbert Schildt
3. Chapter 8 Overview of Java – Java Complete Reference 11th edition – Herbert Schildt
4. Chapter 9 Overview of Java – Java Complete Reference 11th edition – Herbert Schildt
5. [Object Oriented Programming](https://www.baeldung.com/java-oop)
6. [**https://www.baeldung.com/java-oop**](https://www.baeldung.com/java-oop)
7. [**https://www.baeldung.com/java-abstract-class**](https://www.baeldung.com/java-abstract-class)
8. [**https://www.baeldung.com/java-interfaces**](https://www.baeldung.com/java-interfaces)

**TASKS**

**Main:**

* Write a program to create a class named shape. In this class we have three sub classes circle, triangle and square each class has two member function named calculatePerimeter() and calculateArea(). Create these using polymorphism concepts.
* Write a program to create interface Phone in this interface we have two method takePicture() and printColor(). Implements this interface in other classes named Samsung and Iphone.

**Hackerrank**

1. [https://www.hackerrank.com/challenges/java-abstract-class/problem](file:///Users/dsuleymanova/Desktop/microservices/learning-session/1.%09https:/www.hackerrank.com/challenges/java-abstract-class/problem)
2. [https://www.hackerrank.com/challenges/java-interface/problem](file:///Users/dsuleymanova/Desktop/microservices/learning-session/2.%09https:/www.hackerrank.com/challenges/java-interface/problem)
3. [https://www.hackerrank.com/challenges/java-method-overriding/problem](file:///Users/dsuleymanova/Desktop/microservices/learning-session/3.%09https:/www.hackerrank.com/challenges/java-method-overriding/problem)
4. [https://www.hackerrank.com/challenges/java-method-overriding-2-super-keyword/problem](file:///Users/dsuleymanova/Desktop/microservices/learning-session/4.%09https:/www.hackerrank.com/challenges/java-method-overriding-2-super-keyword/problem)