**SESSION #4.1**

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

**TASKS**

**Main:**

* Write a program create a class ‘HelloWorld‘. Using constructor display the message.
* Write a program to create a room class, the attributes of this class is number, type, width , height. In this class the member functions are setter, getter, override toString (print room’s number, type, width , height), and calculateArea. Create object by using constructor with arguments.
* Calculate number of rooms by using static variable and create static method to show this number.
* Create Building class as parent class of Room with parameters city, street. Create and print different rooms and locate them in city, street by using super keyword.

**Hackerrank**

1. [Inheritance-1](https://www.hackerrank.com/challenges/java-inheritance-1/problem)
2. [Inheritance-2](https://www.hackerrank.com/challenges/java-inheritance-2/problem)