Jaypee University of Engineering and Technology, Guna
B.Tech. CSE, Semester V
Advanced Programming Lab - II (18B17CI573)

Lab Exercise 2

1. Using a java code example, demonstrate that static methods can only access static data members, whereas non-static methods can access both static and non-static data members.

2. Write a java program to check whether the static classes can contain non-static methods or not. Also, prove that the methods of static class can be called without creating objects of outer class.

3. Write a Java program to demonstrate that the static block of a class is executed before the main method when the class is loaded.

4. Solve the following questions:
    a. https://www.hackerrank.com/challenges/java-if-else/problem?isFullScreen=true
    b. https://www.hackerrank.com/challenges/java-static-initializer-block/problem?isFullScreen=true
    c. https://www.hackerrank.com/challenges/java-loops-i/problem?isFullScreen=true
    d. https://www.hackerrank.com/challenges/java-loops/problem?isFullScreen=true