1. Write a java program that implements educational hierarchy using inheritance. with empno: empname: salary: getvalue() Teaching with Designation & setvalue() and office with designation &setvalue() use super keyword .
2. Define class Student with suitable data members create two objects using two different constructors of the class.
3. Write a program to define two threads for displaying even and odd numbers respectively with a delay of 500 ms after each number.
4. Write a program to define class Employee with members as id and salary. Accept data for five employees with object array and display details of employees getting highest salary.

5. Write a java program to check the given string is palindrome or not for numbers and strings
6. Explain the methods available under String and String Buffer Class with example programs.
7. Write a java program to read n numbers and race an exception called NegativeException when you input a negative number?
8. Write a java program that creates two threads one thread displays number from 1 to 5 and other thread displays numbers from 5 to 1
9. Create a class SeriesCalculator with a method calculateSum(int n) to calculate the sum of the first n numbers in the series 1 + 3 + 5 + 7 + ... Use the formula Sum = (n/2) * [2*a + (n-1)*d], where "a" is the first term and "d" is the common difference.
10. Create a class Rectangle with attributes length and width, each defaulting to 1. The class should include set and get methods for both attributes, and a method to calculate the area of the rectangle.
11. Create a class Student with firstName and lastName as data members. Override the toString() method to return the full

name of the Student. Define constructors to take appropriate parameters.

12. Create a Bca class with name, rollNo, and marks as attributes. Write a method to calculate the grade based on the marks and display the grade. Create multiple instances of the Bca class and print their grades.