Sheet 1: Java Review

1. **Exercise 1: Declare, Initialize, Print variables**

   1.1. **Use the following types: int, float, double, char, String**

2. **Exercise 2: Conditional operator**

   2.1. **Write a program which convert scores to grade as following:**

   a) **0-50: Failed**

   b) **50-65: Passed**

   c) **65-75: Good**

   d) **75-85: V. Good**

   e) **85-100: Excellent**

   2.2. **Write a program which print the greatest number from three int numbers**

3. **Exercise 3: Looping**

   3.1. **Write a program that print the prime numbers from 0 to 50 in ascending order**

   3.2. **Write a program that print the prime numbers from 0 to 50 in descending order**

   3.3. **Write a program that print the even numbers numbers from 2 to 50**

4. **Exercise 4: Read input from User**

   4.1. **Write a program which read first name, last name, and age from user and print them each in new line**

   - **use javax.swing.JoptionPane.showInputDialog(msg)**
   - **e.g. : String s=JoptionPane.showInputDialog("Enter s Value");**

   4.2. **Write a program which read count from user (check how convert String to number) and print even number from 0 to that number**

   - **example of casting from string to integer**
   - **i = Integer.parseInt("7");**

5. **Exercise 4: Others**

   5.1. **Write a program in Java to calculate the area & perimeter of the following shape: circle, rectangle, square**

   5.2. **Write a program in Java for simple calculator using console application which perform the following:**

   - **Ask user which operation to apply? add, subtract, multiply, divide**

- **Ask user to enter first No.**
- **Ask user to enter second No.**
- **Display result**
- **Ask user to continue with other (restart from step a) operation or exit**