

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