

DEPARTMENT OF INFORMATION TECHNOLOGY		
OBJECT TECHNOLOGY LABORATORY	LAB ASSIGNMENT- 1 (Fundamental Concepts in JAVA)	Doc No.: CEMK/IT/IT491/01 Revision No.: 2.0
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College of Engineering and Management, Kolaghat
Object Technology Laboratory, (5th Semester, IT)

1. Write a program in JAVA to print your Name, Roll No and department in console window.
2. Write a program in JAVA to find the largest of three integers.
3. Write a program in JAVA to convert a distance in inches into centimeters. [Consider 1 inch = 2.54 cm.]
4. Write a program in JAVA to find factorial of a number using following techniques:
 - a. Iteration
 - b. Recursion
5. Write a program in JAVA to print name, age, salary and account balance of a person. Take user input at runtime using following techniques:
 - a. Scanner class
 - b. JOptionPane class
 - c. BufferedReader class
 - d. Command Line Input
6. Write a program in JAVA to print the following triangles (taking height as command line input from user):

a. 1 2 2 3 3 3 4 4 4 4	b. 1 2 3 4 1 2 3 1 2 1	c. # # # # # # # # # # # # # # # #
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7. Write a program in JAVA to inverse a number taken from user.
8. Write a program in JAVA to find the sum of the following series:

$$a \sin x + a^2 \cos x + a^3 \sin x + a^4 \cos x + \dots$$
 Take the required values from user.

