

## Object Oriented Programming with Java

### Assignment Day 3

#### Relational Operations

(a) Find out if the two expressions (weight>45) and (weight<=45) are equivalent?

#### Logical Operations

(a) Find out if the two expressions !(a) && !(b) and !(a && b) are equivalent?

#### if else

(a) Write a java program to compare two numeric values  
-Hint : use if statement

(b) Write a java program to check whether the given number is even or odd  
-Hint : use if...else statement

(d) Write a java program to find the biggest number among the three numbers  
-Hint : use if...else if statement

#### Nested if

Write java programs to:

(a) Check whether a given number is even and also a multiple of 11 using nested-if

(b) Identify the largest number among the two given numbers using Ternary operator

#### Switch Case

(a) Write a program that has name and gender as the variables

(b) Use a switch case statement that prints: "Hello Mr..." for males and "Hello Ms..." for females

For Loop

(a) Armstrong Number: A 3 digit number equal to sum of the cubes of its digits

-Example: 153

Find all such 3 digit numbers

do-while

(a) Given a binary number, find out its decimal equivalent

Eg. 11010 => 26