**Lab7**

**If…else statement; Switch statement; Math.Random()**

Lab Assignments need to submit (lab7.java)

1) Write a method named Rolling\_Dice (do not take any arguments) that simulates a game of a rolling pair of dice. You can create/simulate rolling one die by choosing one of the integers values of 1, 2, 3, 4, 5, or 6 at randomly. The number will represent the number on the dice after it is rolled. As a hint use Math.random

Which will perform the computation to select a random integer between 1 and 6.

Assign the value to a variable to represent one of the dice that are being rolled. Perform this operation twice then you will add the results in order to obtain the total roll. Check the results whether greater than 6. As a hint use If. Your program should output the number showing on each dice as well as the total roll.

**Sample ouput after call Rolling\_Dice();** in main method (do not have to be same with sample output since the roll result will be generated randomly)

**The first die comes up 3**

**The second die comes up 5**

**Your total roll is 8**

**Total roll is greater than 6**

2) Write a method using the switch statement name **GradeReport** that takes one integer argument and prints the comments accordingly. Hint

The integer variable passed should be a numeric grade (0 to 100)  
if the variable isn't an integer between 0 and 100, give the error message and stop checking the grade ("Error: You must enter an integer between 0 and 100");” Fail to give the error message will get 10 points deducted.

Below I have provided an algorithm of the switch statement

Grade report shows below:

category = grade / 10  
case 10: Perfect score job well   
case 9: well above average. Excellent  
case 8: above average Nice job  
case 7: average  
case 1-6: below average you should see the professor...to clarify the material  
presented in class...

sample output:

GradeReport(70)-> average

GradeReport(20)-> below average you should see the professor...to clarify the material  
presented in class...