

## Java Assignment Day 2

### 1. Datatypes

(a) Read about:

- Other numerical datatypes in Java
- How are they different from int and float

Refer link <http://docs.oracle.com/javase/tutorial/> for Java tutorials

(b) Write a Java program to print an int, a double and a char on screen.

(c) Write a program to print the area of a rectangle of sides 2 and 3 units respectively.

(d) Write a program to print the product of the numbers 8.2 and 6.

(e) Print the ASCII value of the character 'h'.

(f) Write a program to assign a value of 100.235 to a double variable and then convert it to int.

(g) Write a program to add 3 to the ASCII value of the character 'd' and print the equivalent character.

### 2. Strings

(a) Read about the concat method of Strings in Java and find out how it is different from adding Strings. Write a Java program to justify your answer.

(b) Design a palindrome class in java that will take a string as input from the console and check whether given string is a palindrome and display it in uppercase if inputted string is in lower case.

(c) Design a class 'reverse' that will reverse a string inputted from keyboard and display it on screen.

### 3. Primitive type conversions

(a) Write a Java program to implement Integer.toString and Float.toString. What do they do?