

## Lab Sheet 01

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### Instructions

- Create a folder in the desktop (i.e. UWU\_CST\_21XXX) to save your source code files.
  - Zip the main folder and upload it to the given link in the VLE course page each week.
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1. Write a Java program that prints the following output:

**I am a student of Uva Wellassa University.  
My department is “Computer Science &  
Informatics”.**

2. Write a Java program that prints the following output:

**This is a     tabbed sentence.**

3. Write a Java program that prints the following output:

**\*  
\*\*  
\*\*\*  
\*\*\*\***

4. Write a Java program that prints the following output:

### Escape Sequences Meaning

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<b>\\</b>	<b>Back slash</b>
<b>\'</b>	<b>Single quotations</b>
<b>\"</b>	<b>Double quotations</b>
<b>\n</b>	<b>New line (Line feed &amp; carriage return)</b>
<b>\t</b>	<b>Tab</b>
<b>\b</b>	<b>Back space</b>
<b>\r</b>	<b>Carriage return</b>

5. Write a Java program that prints the following output:

```
A "quoted" String is
'much' better if you learn
the rules of "escape sequences."
Also, "" represents an empty String.
Don't forget: use \" instead of " !
' ' is not the same as "
```

6. Write a Java program that prints the following output:

```
The file is located in the directory: "C:\\Users\\Username\\Documents"
```

7. Write a Java program that demonstrates the use of `\b` escape sequence.

8. Write a Java program that demonstrates the use of `\r` escape sequence.

9. Write a Java program that prints a simple table with three columns: Name, Age, and City. Use escape sequences to format the output in a tabular format. Add few rows as sample data for each column in the table you printed.

10. Write a Java program that generates a formatted receipt for a purchase. Include Item Name, Quantity, Unit Price and Sub Total columns. Use escape sequences to align the text and numbers. Add some sample data to the table you printed and display the Total as the last row of the receipt.

Item Name		Quantity		Unit Price		Sub Total
.....						
Total						.....