Practical 1: Introduction to programming

Simple variable usage, reading from console, rounding of decimals

**Introduction**

This lab is going to concentrate on the following:

1. Variable declaration, assignment and usage
2. Reading in data from the console
3. Rounding to appropriate number of decimal places
4. Console output formatting

**Demo 1: Demonstrating reading in from the console**

Write a java program which asks the user to enter an age. Once entered, we will store the age in a variable and output a message saying the age entered back to the user.

**Demo 2: Demonstrating rounding to number of decimal places**

Write a java program which asks the user to enter a decimal number. Once entered, we will store the decimal number in a variable, round it to two decimal places and output a message saying the age entered back to the user.

**Problem 1:**

Write a java program that asks the user (student) to enter the following:

* TNumber
* Name
* Age
* Average Grade
* Gender (M or F)

Each detail entered should be stored in an appropriate variable. The average grade should be rounded to two decimal places. Once the details have been stored in variables, the program should display exactly the following output:

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Student Details

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TNumber: T00012345

Name: Billy Stack

Age: 30

Average Grade: 88.92

Gender: M

**Problem 2:**

Write a java program that asks the user to enter degrees Fahrenheit. Your program should output the value in degrees Celcius to 2 decimal places.