

# COMP 1006 - Assignment #1

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# Design an app to calculate the gas law

- $PV = nRT$
- Where P is pressure and a float value.
- V is volume in meters cube
- N is the number of moles
- R is the gas constant with value 8.314
- T is temperature.

# What to expect

- Ask the user to input the value for pressure P
- Ask the user to enter the length, width and height and automatically develop a variable to calculate the volume using those variable.
- Ask the user for the temperature and add 273.14 to the value.
- All of the parameters are of type float.
- Calculate the number of moles. Round up the number to the nearest whole number.
- If the value is even, turn it into an odd value and if it's odd, turn it into an even value.
- Display the initial value for the mole, the rounded whole number in type float and the odd or even value after.

# What to Submit

- The complete code in a pdf file.
- Comment your codes and test them. Submit it into the assignment 1 folder in **Pdf format**.