# Assignment 1 (3%)
# Quadratic Evaluation

Deadline: Friday 15 October 2021 at 23:59 on Submitty

Working individually, complete the assignment below. Submit your solution to Submitty (`https://submit.scss.tcd.ie`). By submitting your solution, you are confirming that you have familiarised yourself with College's policy on plagiarism (`https://libguides.tcd.ie/plagiarism`).

Your mark will be the auto-graded mark assigned by Submitty and will be marked out of 10.

You are allowed to submit five attempts for each part of the assignment without penalty. Subsequent attempts will attract a 1 mark penalty each, up to a maximum penalty of 5 marks.

Submitty will allow you eight "late days" over the full semester. This means, for example, you can submit one assignment late by eight days or eight assignments late by one day each, without penalty. Once your "late days" are used up, you will receive zero marks for any late submissions.

## Instructions

Write an ARM Assembly Langauge program to evaluate $ax^2 + bx + c$, storing the result in R0. Assume $x$ is a value stored in register R1 and $a$, $b$ and $c$ are values stored in registers R2, R3 and R4 respectively.