# COMP1521 Week 3

Welcome!!!
Please sit down we shall start at 11:05am

# Overview

- Debugging in MIPS
- Memory
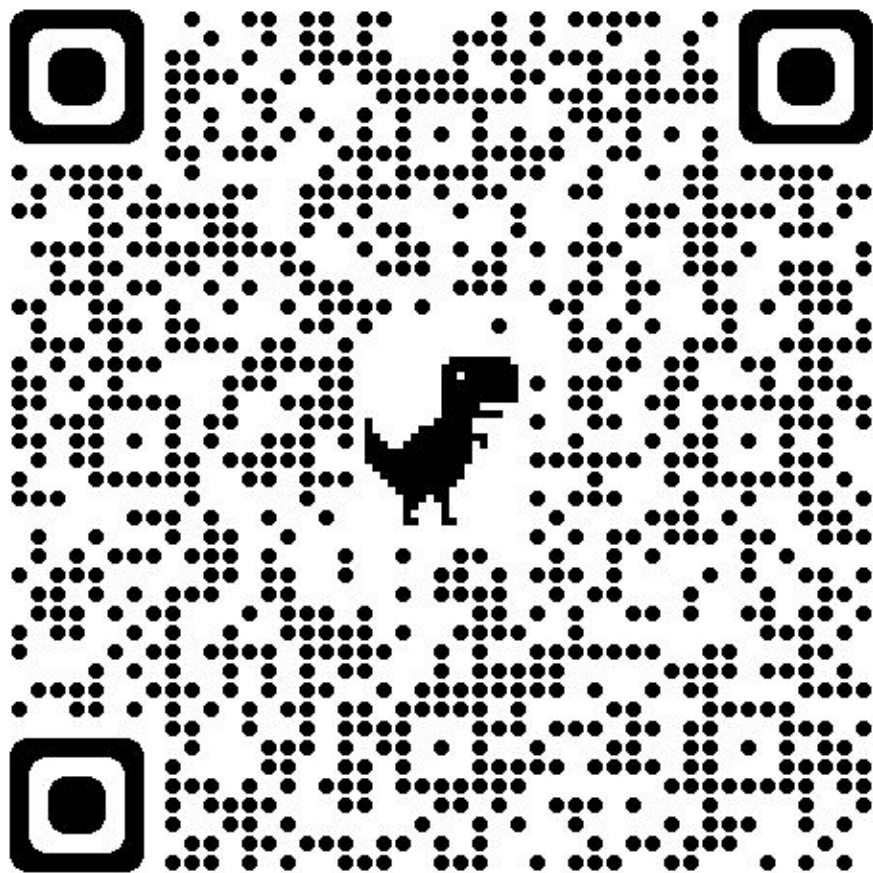- Arrays in MIPS
- Worked examples

# Debugging mips tips

- Take it line by line
- Write down what is changing in each register
- Remember to write comments for easier debugging
- For large programs such as you assignment
  - Use breakpoints and mipsy to find the approximate position of your bug
  - Use printf to find the approximate position of your bug
- Take a break ✌️

# Tutorial Q2

| What | Bytes | Bits | Usually used to store |
|------|-------|------|----------------------|
| Byte | 1 | 8 | char, 8-bit integers |
| word | 4 | 32 | 32-bit integers |

# MIPS style thing

- Informative labels
- Tabs vs spaces
- Commenting
- Indentation
- White space

Code: apple