COMP1521 Week 5

This week's content is a bit shifty...(thanks Abiram for the joke)

How's the assignment going?

Notes on style:

- I would recommend writing your code using 'hard' tabs (don't insert spaces) with a width of 8.
- Assembly style guide on course homepage is generally a good idea.
- Don't forget to fill out all of that documentation above your functions! Also remember to fill out your header comment :)
- Use descriptive label names, and try and follow the conventions already used in the file.
  - i.e. "main__row_init_loop" is a much better label than something like "loop1".

What is "frame", "uses", and "clobbers" (in function documentation)? What about "locals"?

- <u>Frame</u> = registers placed on the stack and restored before the function returns.
- <u>Uses</u> = registers used by the function.
- <u>Clobbers</u> = registers whose values are changed by the function. Hence, clobbers is generally equal to (uses - frame).
- Also, '<u>locals</u>' refers to local variables in the C code.
- For further clarification, you might find <u>https://jashankj.space/notes/cse-comp1521-better-assembly/</u> useful.