If you didn't take COMP15111 (ARM assembly code) you should be in IT407

Before we start:

What is a CPU? Central Processing Unit, where calculations & decisions happen

What is RAM? Random Access Memory - e.g. main memory is large (GB), relatively slow, external to CPU, cached inside CPU for speed

What is a register? A very small (e.g. 32 bits) & fast memory in the CPU

What is an assembly-language instruction? smallest part of a computation e.g. ADD or COMPARE 2 numbers