Tute 1

COMP1521 25T3

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whoami

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links

- course website
- j.robbers@unsw.edu.au
- tute code and slides:
  github.com/JackRobbers/comp1521/tree/main/25T3

a note

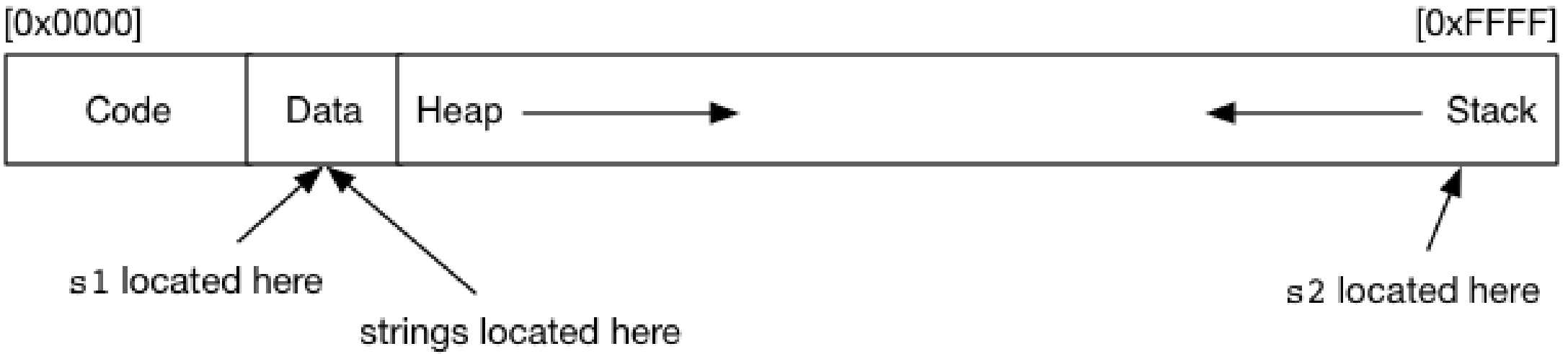
what you find easy might not be easy for others

what's different between s1 and s2?

```c
#include <stdio.h>

char *s1 = "abc";

int main(void) {
  char *s2 = "def";
  // ...
}
```


[0x0000]
[0xFFFF]
Code
Data
Heap
Stack
s1 located here
strings located here
s2 located here

command line arguments

In groups, write a program called "print_arguments" that prints out its command line arguments. What does your program output when you run `print_arguments COMP1521 24T1`

If you get time, write another program to find the sum of integer arguments e.g `sum_arguments 1 2 3 4 5` should print out "15"

steps of compilation

- pre processor - replaces #includes and #defines. - `-E`
- compiler - produces assembly for the targetted machine - `-S`
- assemble - produce machine (binary) code - `-c`