$\boxed{\text{malloc}}$ — <u>me</u>mory <u>allocation</u>

malloc (n)

```
movq  $10, %rdi
callq  _malloc
```

%rdi   10
%rax   m ⟶   newly
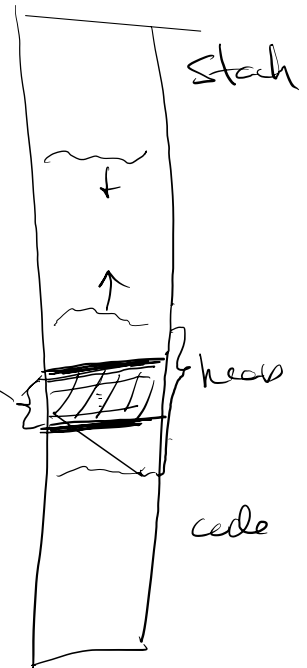   allocated
                                         space
                                                    ⟶ m

malloc(n) allocates n bytes
in the heap and returns
the address of the 1st
byte in that region

Stack

↑

heap

code