

## EEPROM Storage

- (a) `static_assert` is for testing at compile time `assert` is for testing at runtime

```
static_assert(sizeof(int) == 4, "int should be 4 bytes"); assert(("mypointer should never be null!", mypointer != nullptr));
```

- (b) testing at compile time is beneficial for preventing bugs even before code is run --> less debugging necessary
- (c) must be a constant expression known at compile time
- (d) `assert(eeprom && "Memory allocation failed");` asserts if eeprom pointer and the following String are same (both are true, because they are not NULL)