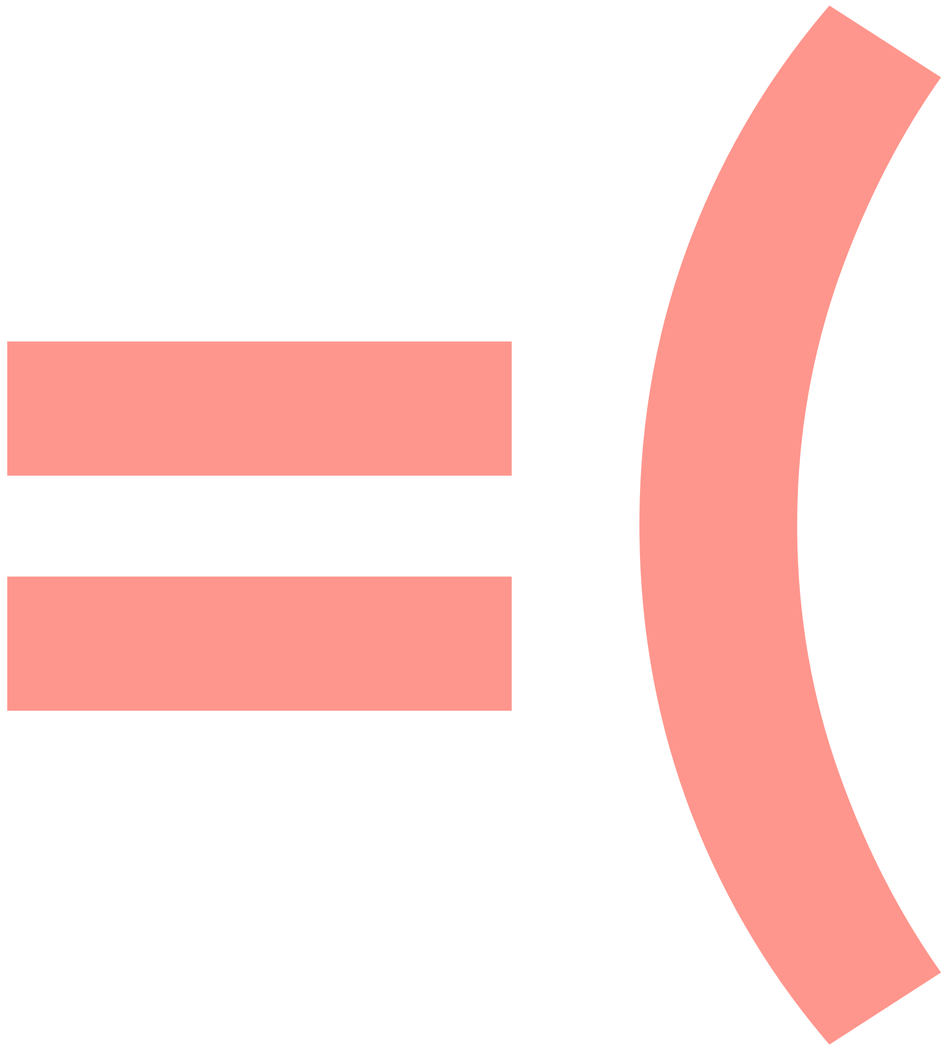
Essential Computing 1

Errors



Three kinds of errors

- **Compile-time** (before program runs)
- **Runtime** (while program runs)
- **Logic** (while program runs)

Compile-time errors

```
int fishCount = 1.3;
```

If you are pointed to a wrong place, check your **scopes**.

Runtime errors

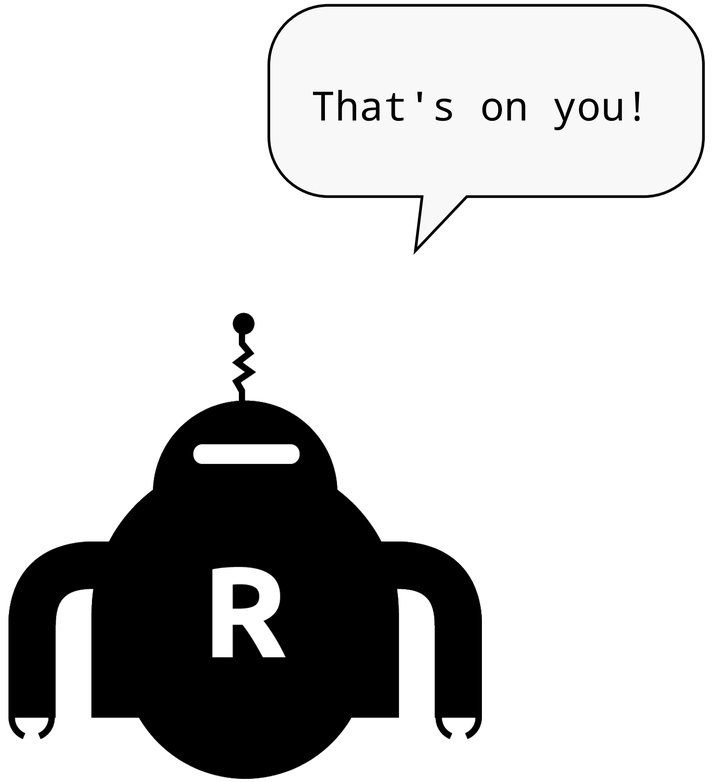
Ouch.

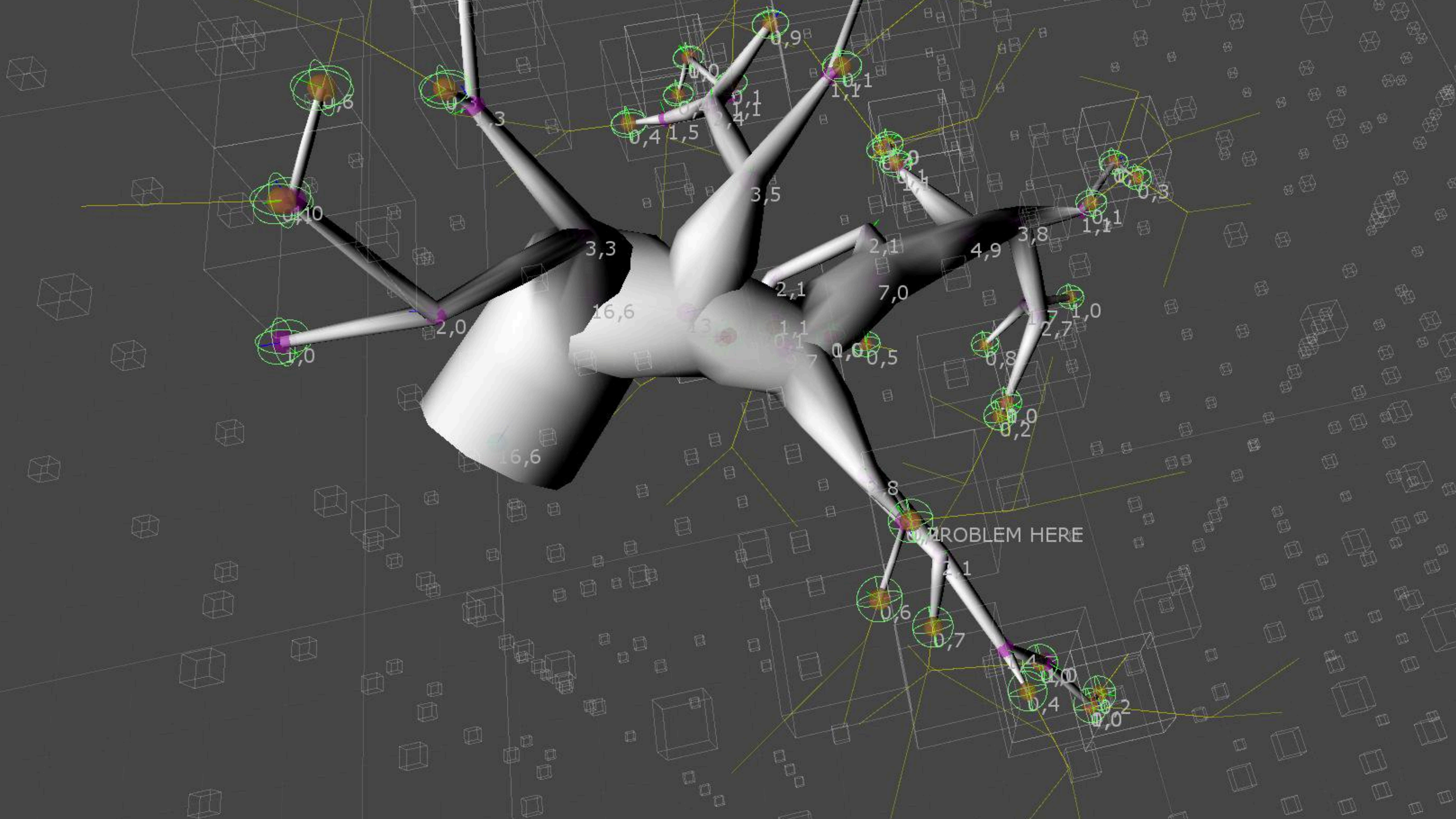
- **Illegal Format** (System.out.printf wrong specifier)
- **Zero division** (not allowed)
- **Nullpointer** (variable not pointing to an object)
- **Stack overflow** (out of memory)
- **Array bounds** (reading outside array)
- **…**

List of runtime errors

Logic errors

Your logic is flawed




PROBLEM HERE