Operating System Support

- This is not a standard machine instruction but rather a **programmable instruction** that allows you to request services from the operating system, also known as system call.

- The arguments that specify what action we need the OS to take are provided in `$a7`.

- Selfie supports these ecalls: `read`, `write`, `open`, `malloc`, and `exit`.

- The implementation of each of these ecalls is in handleSystemCall().

```
ecall
```

Introducing Language Operators

- In selfie there are no <u>bitwise operators</u> and no native machine instructions for bitwise operations.

- The next section shows how new language operators can be **systematically** implemented.

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```
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