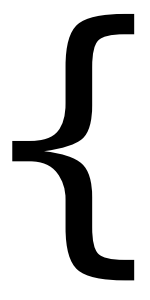
# Actors as co-routines

```
exec::task<std::string> get_first_name() const
{
    co_return co_await stdexec::then (stdexec::schedule (get_scheduler()),
                                      [this] { return person.get_first_name(); });
}
```

```
std::string first_name = co_await person.get_first_name();
```

```
{ return person.set_first_name (new_first); });
```

[this, =]

```
exec::task<void> set_first_name (std::string new_first)
```

```
co_return co_await stdexec::then (stdexec::schedule (get_scheduler()),
```