Hands-on:
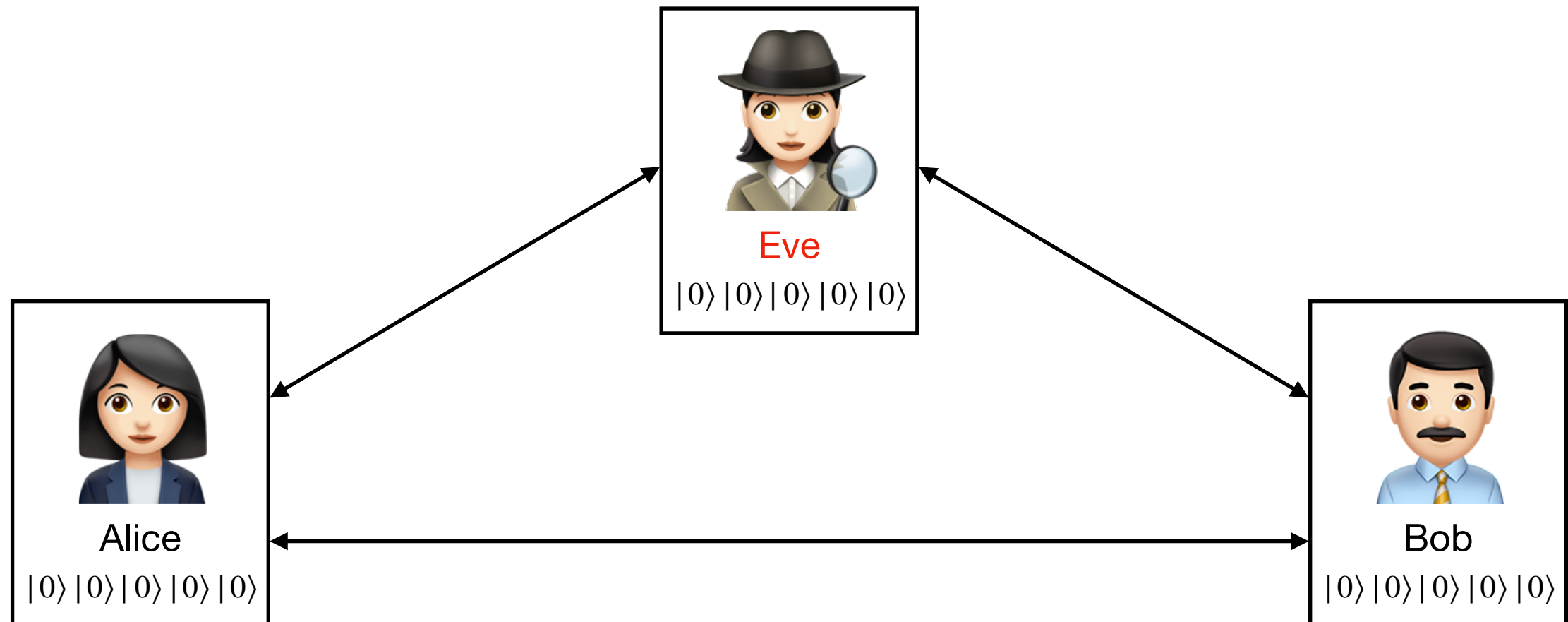
Qubit in SimulaQron
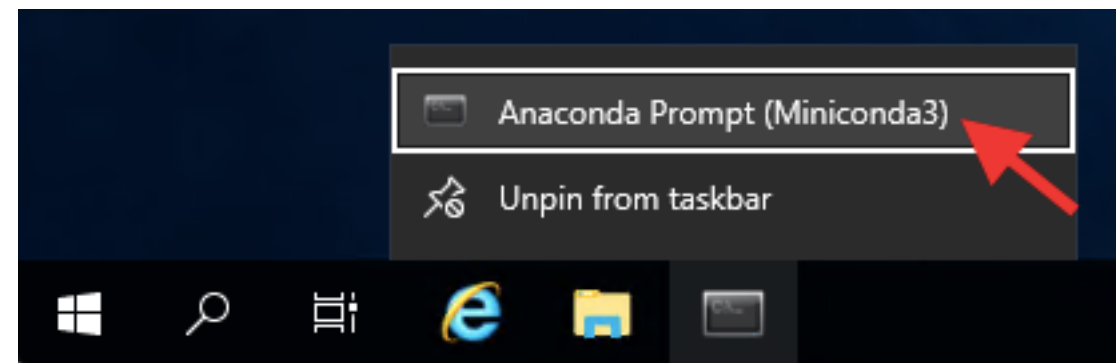
q-edu-lab.com

Quantum internet simulator

- **Virtual quantum node:** simulated quantum hardware

- 1 node per actor: **Alice**, **Bob**, **Eve** (and others)

- Each has a small quantum device (max. 20 qubits by default)

Eve
$|0\rangle\,|0\rangle\,|0\rangle\,|0\rangle\,|0\rangle$

Alice
$|0\rangle\,|0\rangle\,|0\rangle\,|0\rangle\,|0\rangle$

Bob
$|0\rangle\,|0\rangle\,|0\rangle\,|0\rangle\,|0\rangle$

Azure VM - Instructions

Quantum nodes

1. Open Python terminal:

2. Start quantum nodes (Alice, Bob, Eve):
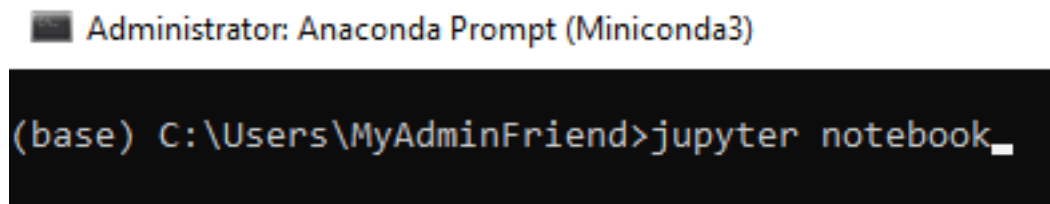
Jupyter notebook

1. Open (a new) Python terminal:
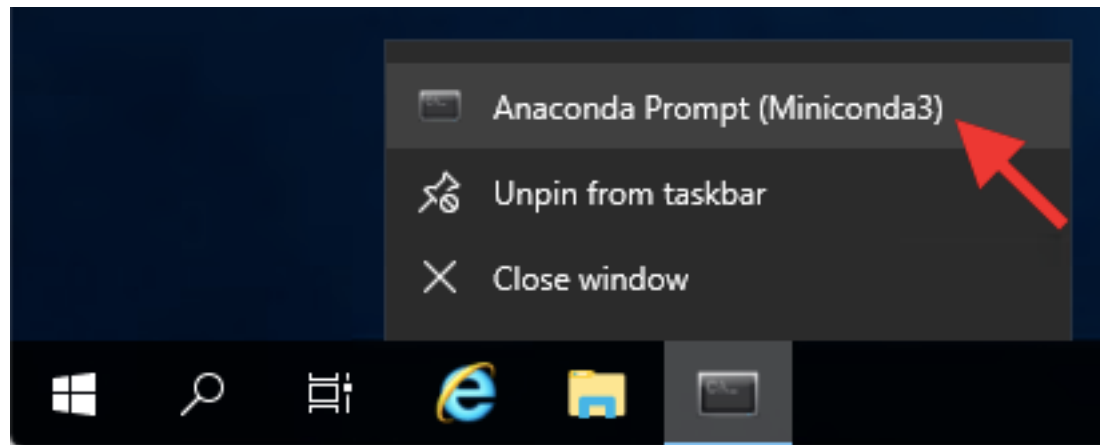
2. Start Jupyter notebook:

3. Go to „Quantum Course" folder: