The tutorial consists of 3 parts: Introduction to Quantum Computing, Single-Qubits Gates and Circuits with many qubits.

Introduction to Quantum Computing: This section provides a brief explanation and tutorial of Pennylane and simple implementations of Quantum Computing with quantum circuits, unitary matrices.

Single-Qubits Gates: This section provides the implementation and theoretical of universal gates with measurements and global and relative phase.

Circuits with many qubits: This section provides the implementation of circuits with several qubits and some challenges with multiple qubits gates.