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Majorana modes are the simplest nonabelian anyons, and braiding them exerts a unitary gate on the state of a quantum system. In this tutorial I will explain what it takes to go from this fundamental property to making a quantum computer. This will require us to understand how to control many-body Majorana interactions and how to combine fermionic degrees of freedom with macroscopic coherent modes of superconducting circuits. I will also explain what distinguishes this approach from the mainstream implementations, and what the community still needs to make it work. Majorana modes are the simplest nonabelian anyons, and braiding them exerts a unitary gate on the state of a quantum system. In this tutorial I will explain what it takes to go from this fundamental property to making a quantum computer. This will require us to understand how to control many-body Majorana interactions and how to combine fermionic degrees of freedom with macroscopic computer. This will also explain what the system. In this tutorial I will explain what it takes to go from this fundamental property to making a quantum computer. This will require us to understand how to control many-body Majorana interactions and how to combine fermionic degrees of freedom with macroscopic coherent modes of superconducting circuits. I will also explain what distinguishes this approach from the mainstream implementations, and what the community still needs to make it work.