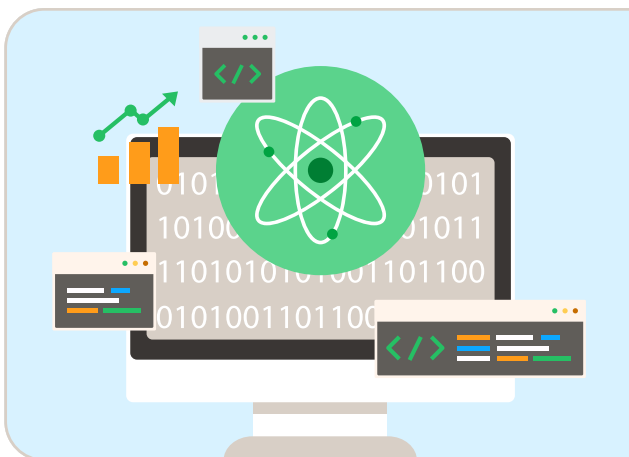
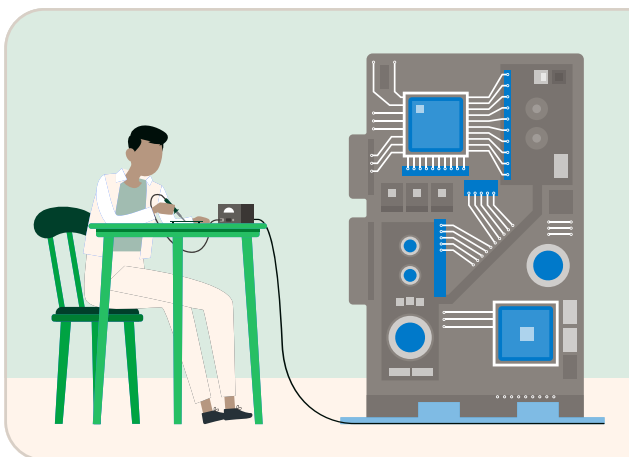


# The quantum leap in computing



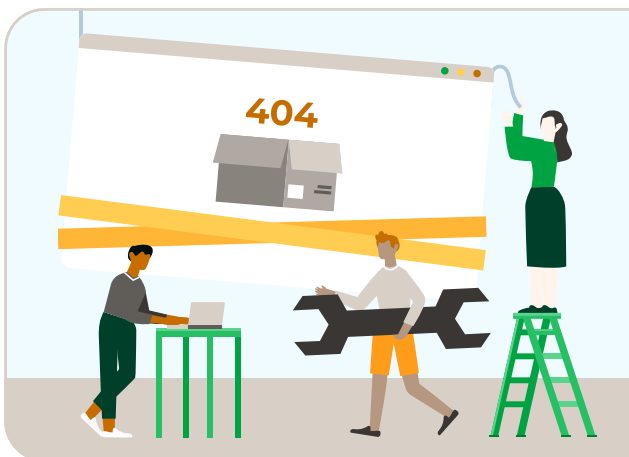
## The truth about quantum computers

Quantum computing **uses superconducting *qubits*** to exponentially boost computing speed.



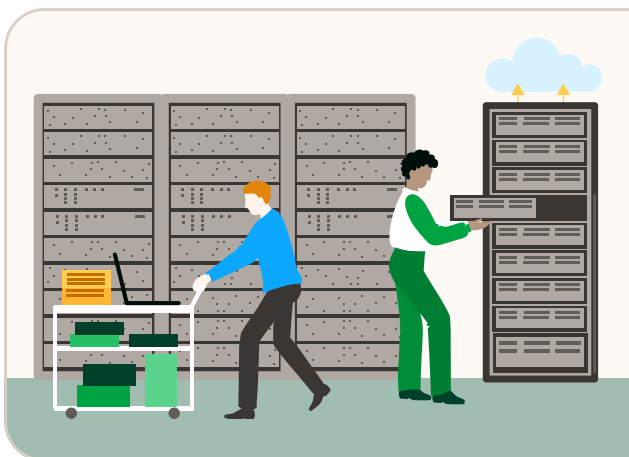
## Building bigger quantum systems

**Linear *qubit* segments** have been replaced by four superconducting *qubits* on a one-quarter-square-inch chip.



## Stopping and minimising quantum errors

Exposure to heat makes qubits more error-prone, but we already know **how to identify *bit-flip* and *phase-flip* errors**.



## Uses for quantum computers

Computing will improve big data analysis, the **development of new drugs and materials**, machine learning and cryptography, etc.

Source: TechTarget.