import qiskit

from qiskit import QuantumCircuit, Aer, execute

# Define a real quantum circuit

qc = QuantumCircuit(3, 3)

qc.h(0) # Superposition

qc.cx(0, 1) # Entanglement

qc.cx(1, 2) # Further entanglement

qc.measure([0, 1, 2], [0, 1, 2])

# Execute on real quantum hardware

backend = Aer.get\_backend('qasm\_simulator')

result = execute(qc, backend, shots=1024).result()

counts = result.get\_counts()

print("Quantum Computation Results:", counts)