# Untitled4-Copy1

April 18, 2022

```
[1]: from qiskit import QuantumCircuit, assemble, Aer
     from math import pi, sqrt
     from qiskit.visualization import plot_bloch_multivector,plot_histogram
```
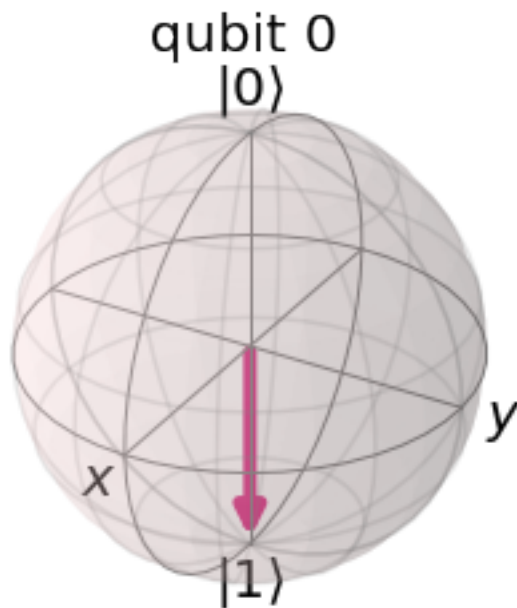
```
[2]: sim = Aer.get_backend('aer_simulator')
```

```
[3]: qc = QuantumCircuit(1)
     qc.x(0)
     qc.draw()
```
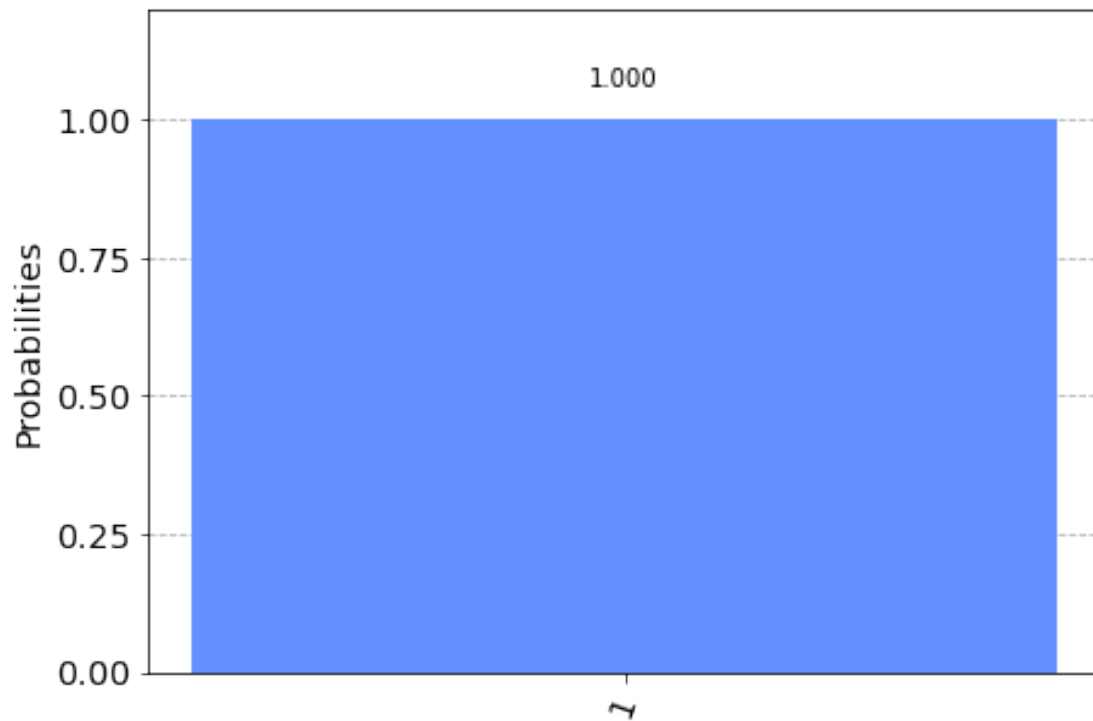
```
[3]:
     q:   X
```

```
[4]: qc.save_statevector()
     qobj = assemble(qc)
     state =sim.run(qobj).result().get_statevector()
     plot_bloch_multivector(state)
```

[4]:

```
[5]: counts = sim.run(qobj).result().get_counts()
     plot_histogram(counts)
```

[5]:



[ ]: