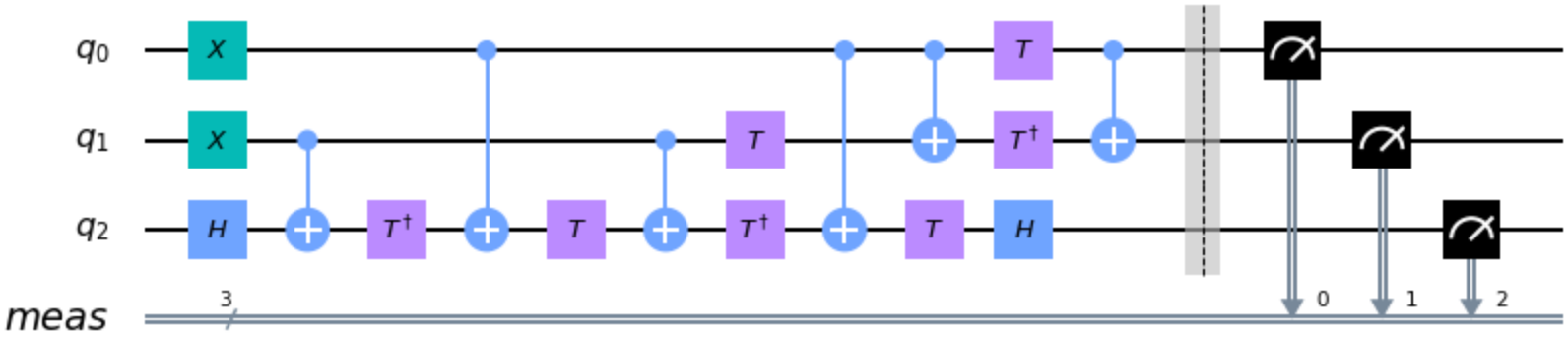
In [1]:
```
import numpy as np
from numpy import pi
from qiskit import *
from qiskit.visualization import plot_histogram
%matplotlib inline
```

In [14]:
```
qc=QuantumCircuit(3)
qc.x(0)
qc.x(1)
qc.h(2)
qc.cx(1,2)
qc.tdg(2)
qc.cx(0,2)
qc.t(2)
qc.cx(1,2)
qc.tdg(2)
qc.cx(0,2)
qc.t(1)
qc.t(2)
qc.cx(0,1)
qc.h(2)
qc.t(0)
qc.tdg(1)
qc.cx(0,1)

qc.measure_all()
qc.draw(output='mpl')
```

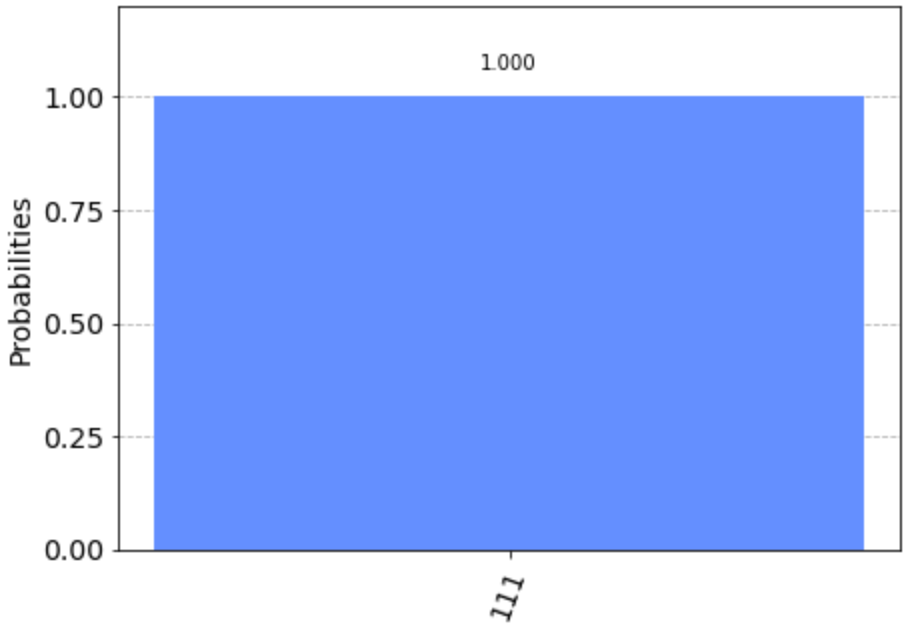
Out[14]:



In [15]:
```
simulator = Aer.get_backend('qasm_simulator')
result = execute(qc, backend=simulator,shots=1024).result()
counts=result.get_counts()
print(counts)
plot_histogram(counts)
```

```
{'111': 1024}
```

Out[15]:



In [ ]: