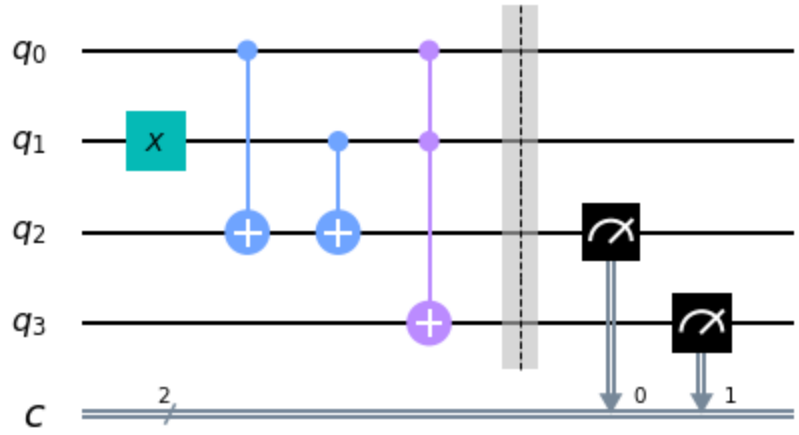
In [1]:
```
from qiskit import *
import matplotlib.pyplot as plt
import numpy as np
from qiskit.visualization import plot_histogram
```

In [2]:
```
%matplotlib inline
ac=QuantumCircuit(4,2)

ac.x(1)
ac.cx([0],[2])
ac.cx([1],[2])
ac.ccx([0],[1],[3])
ac.barrier()
ac.measure(2,0)
ac.measure(3,1)
ac.draw(output='mpl')
```

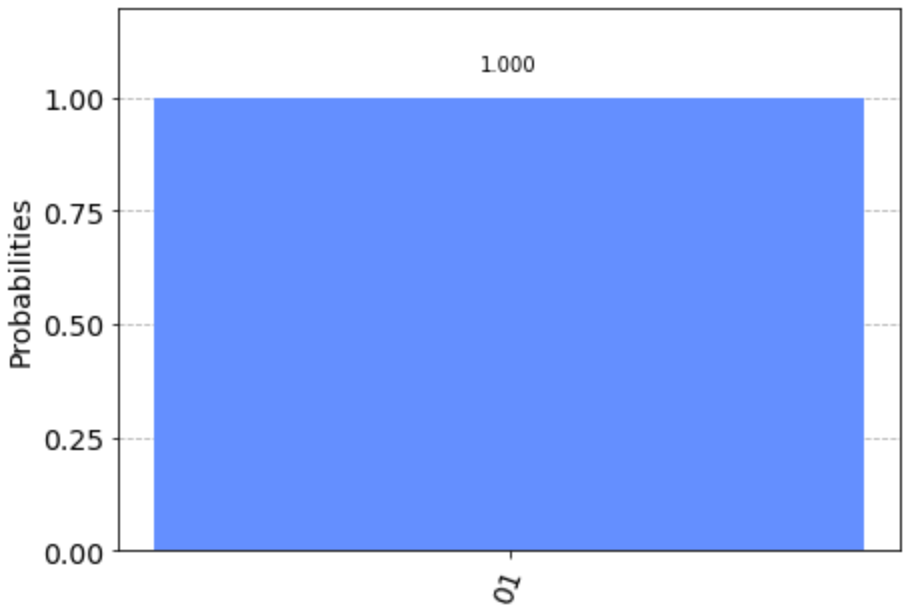
Out[2]:



In [3]:
```
simulator = Aer.get_backend('qasm_simulator')
result = execute(ac, backend=simulator,shots=1024).result()
counts=result.get_counts()
print(counts)
plot_histogram(counts)
```

```
{'01': 1024}
```

Out[3]:



In [ ]: