```
In [1]: from qiskit import IBMQ
         API_TOKEN = 'bf24308d4b9628ea5d8f4a213416453f23eb280986828dbe5d3b691a9a9cd0b40b0b40a2e7741cc22abc447b4feb2ba88a4d51f4d2
         512c7bca3aa964ef6b1a2c'
         IBMQ.save_account(API_TOKEN)
         Public_Provider = IBMQ.load_account()
         Public_Provider.backends()
         backend_publicism = Public_Provider.get_backend('ibmq_qasm_simulator')
         backend_publiclon = Public_Provider.get_backend('ibmq_ourense')
         print(backend_publicism)
         print(backend_publiclon)
         from qiskit import QuantumRegister, QuantumCircuit, ClassicalRegister
         %matplotlib inline
         from qiskit import BasicAer, execute
         from qiskit.tools.monitor import job_monitor
         from qiskit.tools.visualization import plot_histogram, plot_bloch_multivector
         import numpy as np
         from qiskit.extensions import Initialize
         configrc.store_credentials:WARNING:2020-09-12 21:45:38,942: Credentials already present. Set overwrite=True to overwr
         ite.
         ibmq_qasm_simulator
         ibmq_ourense
 In [2]: qr = QuantumRegister(3, name="q")
         crz = ClassicalRegister(1, name="crz")
         crx = ClassicalRegister(1, name="crx")
         teleportation_circuit = QuantumCircuit(qr, crz, crx)
 In [3]: teleportation_circuit.h(qr[1])
         teleportation_circuit.cx(qr[1], qr[2])
         teleportation_circuit.draw(output = 'mpl')
 Out[3]:
               crx ====
 In [4]: teleportation_circuit.barrier() # Use barrier to separate steps
         teleportation_circuit.cx(qr[0],qr[1])
         teleportation_circuit.h(qr[0])
         teleportation_circuit.draw(output = 'mpl')
 Out[4]:
               crz
               crx
 In [5]: teleportation_circuit.barrier() # Use barrier to separate steps
         teleportation_circuit.cx(qr[1],qr[2])
         teleportation_circuit.cz(qr[0],qr[2])
         teleportation_circuit.draw(output = 'mpl')
 Out[5]:
               crz
 In [7]: teleportation_circuit.barrier() # Use barrier to separate steps
         teleportation_circuit.measure(qr[0],crz)
         teleportation_circuit.measure(qr[1],crx)
         teleportation_circuit.draw(output = 'mpl')
 Out[7]:
               crz
               crx
 In [8]: job = execute(teleportation_circuit,backend_publicion)
         job_monitor(job)
         Job Status: job has successfully run
 In [9]: result = job.result()
In [10]: count = result.get_counts()
In [11]: print(count)
         {'0 0': 229, '0 1': 234, '1 1': 255, '1 0': 306}
In [12]: plot_histogram(count)
Out[12]:
            0.32
                                             0.299
                                                         0.249
                                0.229
          Probabilities
91.0
                    --0.224
            0.08
            0.00
                     00
 In [ ]:
```