```
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
        import math as m
        configrc.store_credentials:WARNING:2020-09-18 17:50:56,720: 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")
        cry = ClassicalRegister(1, name="cry")
        FT_circuit = QuantumCircuit(qr, crz, crx,cry)
In [3]: FT_circuit.h(qr[0])
        FT_circuit.cul(m.pi/2,qr[1], qr[0])
        FT_circuit.cul(m.pi/4,qr[0],qr[1])
        FT_circuit.h(qr[1])
        FT_circuit.cu1(m.pi/2,qr[2], qr[1])
        FT_circuit.h(qr[2])
        FT_circuit.swap(qr[0],qr[2])
        FT_circuit.measure(qr[0],crz)
        FT_circuit.measure(qr[1],crx)
        FT circuit.measure(qr[2],cry)
        FT_circuit.draw(output = 'mpl')
Out[3]:
            q<sub>0</sub> — н
                                                                             V
                                  U1 (π/2)
                                             U1 (π/4)
                                                             U1 (π/2)
              crz
              cry
In [4]: job = execute(teleportation_circuit,backend_publicion)
        job_monitor(job)
                                                  Traceback (most recent call last)
        <ipython-input-4-5fe2a9e8237a> in <module>
        ---> 1 job = execute(teleportation_circuit,backend_publiclon)
              2 job_monitor(job)
        NameError: name 'teleportation_circuit' is not defined
In [5]: job = execute(FT_circuit,backend_publicion)
        job_monitor(job)
        Job Status: job has successfully run
In [6]: result = job.result()
In [7]: count = result.get_counts()
In [8]: print(count)
        {'1 1 0': 101, '1 1 1': 116, '0 0 1': 126, '1 0 0': 149, '0 1 1': 136, '0 0 0': 115, '0 1 0': 139, '1 0 1': 142}
In [9]: plot_histogram(count)
Out[9]:
           0.16
                            0.136 0.133
                                                         0.113
                 0.112
           0.12
         Probabilities
90
                                             101
                       003
                                  011
                                        100
                             010
```