```
In [1]: backend_publicism = Public_Provider.get_backend('ibmq_qasm_simulator')
         backend_publiclon = Public_Provider.get_backend('ibmq_ourense')
         print(backend_publicism)
         print(backend_publiclon)
                                                    Traceback (most recent call last)
         <ipython-input-1-8b5f7c7096cd> in <module>
         ---> 1 backend_publicism = Public_Provider.get_backend('ibmq_qasm_simulator')
               2 backend publiclon = Public Provider.get backend('ibmq ourense')
               3 print(backend_publicism)
               4 print(backend_publiclon)
         NameError: name 'Public_Provider' is not defined
 In [2]: from qiskit import IBMQ
         API_TOKEN = 'bf24308d4b9628ea5d8f4a213416453f23eb280986828dbe5d3b691a9a9cd0b40b0b40a2e7741cc22abc447b4feb2ba88a4d51f4d2
         512c7bca3aa964ef6b1a2c'
         IBMQ.save account(API TOKEN)
         Public_Provider = IBMQ.load_account()
         Public_Provider.backends()
         configrc.store_credentials:WARNING:2020-09-10 19:25:30,250: Credentials already present. Set overwrite=True to overwr
         ite.
 Out[2]: [<IBMQSimulator('ibmq_qasm_simulator') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmqx2') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_16_melbourne') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_vigo') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_ourense') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_valencia') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_london') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_burlington') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_essex') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_armonk') from IBMQ(hub='ibm-q', group='open', project='main')>,
          <IBMQBackend('ibmq_santiago') from IBMQ(hub='ibm-q', group='open', project='main')>]
 In [3]: backend_publicism = Public_Provider.get_backend('ibmq_qasm_simulator')
         backend_publiclon = Public_Provider.get_backend('ibmq_ourense')
         print(backend_publicism)
         print(backend_publiclon)
         ibmq_qasm_simulator
         ibmq_ourense
 In [4]: from qiskit import QuantumRegister, QuantumCircuit, ClassicalRegister
          %matplotlib inline
 In [5]: q = QuantumRegister(2, name = 'q')
         c = ClassicalRegister(2, name = 'c')
         bell_state = QuantumCircuit(q,c)
 In [6]: bell_state.h(q[0])
         bell_state.cx(q[0], q[1])
         bell_state.measure(q,c)
         bell state.draw(output = 'mpl')
 Out[6]:
 In [7]: from qiskit import BasicAer, execute
 In [8]: from qiskit.tools.monitor import job_monitor
 In [9]: job = execute(bell_state,backend_publicion)
In [10]: job_monitor(job)
         Job Status: job has successfully run
In [11]: result = job.result()
In [12]: count = result.get_counts()
In [13]: print(count)
         {'01': 13, '11': 492, '10': 43, '00': 476}
In [14]: from qiskit.tools.visualization import plot_histogram
In [15]: plot_histogram(count)
Out[15]:
                                                         0.480
                     0.465
            0.45
          Probabilities
o
w
            0.15
                                            0.042
                                              70
```