## Code:

```
from qiskit import QuantumRegister, ClassicalRegister
from qiskit import QuantumCircuit, execute,IBMQ
from qiskit.tools.monitor import job_monitor
from qiskit.circuit.library import QFT
import numpy as np
pi = np.pi
IBMQ.enable account('ENTER API KEY HERE')
provider = IBMQ.get_provider(hub='ibm-q')
backend = provider.get backend('ibmq qasm simulator')
q = QuantumRegister(5,'q')
c = ClassicalRegister(5,'c')
circuit = QuantumCircuit(q,c)
circuit.x(q[4])
circuit.x(q[2])
circuit.x(q[0])
circuit += QFT(num_qubits=5, approximation_degree=0, do_swaps=True, inverse=False,
insert_barriers=False, name='qft')
circuit.measure(q,c)
circuit.draw(output='mpl', filename='qft1.png')
print(circuit)
job = execute(circuit, backend, shots=1000)
job_monitor(job)
counts = job.result().get_counts()
print("\n QFT Output")
print("----")
print(counts)
input()
```

