In [1]:

```
import numpy as np

# Importing standard Qiskit libraries
from qiskit import QuantumCircuit, transpile, Aer, IBMQ
from qiskit.tools.jupyter import *
from qiskit.visualization import *
from ibm_quantum_widgets import *
from qiskit.providers.aer import QasmSimulator

# Loading your IBM Quantum account(s)
provider = IBMQ.load_account()
```

In [8]:

```
from qiskit import*
qc=QuantumRegister(3,'q')
cr=ClassicalRegister(2,'c')
a=QuantumCircuit(qc,cr)
a.h(qc[1])
a.cx(qc[1],qc[2])
a.cx(qc[0],qc[1])
a.h(qc[0])
a.measure(qc[0],cr[0])
a.measure(qc[1],cr[1])

a.draw()
```

Out[8]: