In [1]:
import networkx as nx
import matplotlib.pyplot as plt
%matplotlib inline

In [2]:
g = nx.DiGraph()

In [13]:
g.add_edges_from([(1,2),(2,3),(3,1),(4,3)])

In [39]:
nx.draw_networkx(g, arrows=True, with_labels=True)

In [20]:
(h, a) = nx.hits(g)

In [22]:
h, a

Out[22]:

Out[22]:

In [28]:
plt.bar(h.keys(), h.values()) # hub scores

Out[28]:
<Container object of 4 artists>
In [29]: plt.bar(a.keys(),a.values()) #Authority scores
Out[29]: <Container object of 4 artists>

In [30]: p=nx.pagerank(g)

In [31]: p
Out[31]: {1: 0.32021321825822346, 
   2: 0.3096812355194899, 
   3: 0.3326055462228633, 
   4: 0.037500000000000006} 

In [32]: plt.bar(p.keys(),p.values())
Out[32]: <Container object of 4 artists>

In [36]: a = nx.adj_matrix(g)

In [37]: print a.todense() #what happens if you try to print a directly?
[[0 1 0 0] 
 [0 0 1 0] 
 [1 0 0 0] 
 [0 0 1 0]]