main.py   Shell

```python
 2  class Graph:
 3      def __init__(self,nodes):
 4          self.nodes=nodes
 5          self.adj={}
 6          for i in self.nodes:
 7              self.adj[i]=[]
 8      def printGraph(self):
 9          for i in self.nodes:
10              print(i+'->'+str(self.adj[i]))
11      def add_edge(self,u,v):
12          self.adj[v].append(u)
13          self.adj[u].append(v)
14      def degree(self,node):
15          self.node=node
16          return len(self.adj[node])
17
18  graph=Graph(['1','2','3','4','5'])
19  graph.printGraph()
20  graph.add_edge('1','3')
21  graph.printGraph()
22  graph.add_edge('2','4')
23  graph.printGraph()
24  print(graph.degree('3'))
```

Run