تست کیس هاس تحلیل شبکه اجتماعی کوچک با استفاده از گراف

تست کیس ۱:

ورودی:

Is the network directed? (1 for Yes, 0 for No): 0
Enter the number of connections: 4
Enter the connections (Format: Person1 Person2):
Alice Bob
Alice Charlie
Bob David
Charlie David

خروجی:

Connections in the network:
Alice is connected to: Bob Charlie
Bob is connected to: Alice David
Charlie is connected to: Alice David
David is connected to: Bob Charlie

Degrees of each person:
Alice: 2 connections
Bob: 2 connections
Charlie: 2 connections
David: 2 connections

Person with the most connections: Alice (2 connections)

ورودی:

Is the network directed? (1 for Yes, 0 for No): 1
Enter the number of connections: 3
Enter the connections (Format: Person1 Person2):
A B
B C
C A

خروجی:

Connections in the network:
A is connected to: B
B is connected to: C
C is connected to: A

Degrees of each person:
A: 1 connections
B: 1 connections
C: 1 connections

Person with the most connections: A (1 connections)

ورودی:

```
Is the network directed? (1 for Yes, 0 for No): 0
Enter the number of connections: 5
Enter the connections (Format: Person1 Person2):
Tom Jerry
Jerry Spike
Spike Tyke
Tyke Butch
Tom Spike
```

خروجی:

```
Connections in the network:
Tom is connected to: Jerry Spike
Jerry is connected to: Tom Spike
Spike is connected to: Jerry Tyke Tom
Tyke is connected to: Spike Butch
Butch is connected to: Tyke

Degrees of each person:
Tom: 2 connections
Jerry: 2 connections
Spike: 3 connections
Tyke: 2 connections
Butch: 1 connections

Person with the most connections: Spike (3 connections)
```