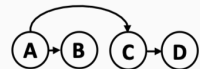


## Centralized



```
1
2
3 A = Agent("A")
4 B = Agent("B")
5 C = Agent("C")
6 D = Agent("D")
7
8 msg = Msg("User", "Hi!")
9
10 msg_a = A(msg)
11 msg_b = B(msg_a)
12 msg_c = C(msg_a)
13 msg_d = D(msg_c)
14
15 print(msg_b.content)
16 print(msg_d.content)
```

Center

Line 3-6

Line 10

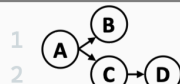
Line 11

Line 12

Line 13

Line 15-16

## Distributed



```
1
2
3 A = Agent("A").to_dist()
4 B = Agent("B").to_dist()
5 C = Agent("C").to_dist()
6 D = Agent("D").to_dist()
7
8 msg = Msg("User", "Hi!")
9
10 msg_a = A(msg)
11 msg_b = B(msg_a)
12 msg_c = C(msg_a)
13 msg_d = D(msg_c)
14
15 print(msg_b.content)
16 print(msg_d.content)
```

No Changes

Center

Agent A

Agent B

Agent C

Agent D

