

## User manual

1. Open a command prompt or terminal.
2. Navigate to the directory where the code file is saved.
3. Run the code by executing the command `python Speed_Dating.py`
4. Input:
  - a. You will be prompted to enter the number of couples participating in the speed dating event.
  - b. You will also be asked to enter the number of interests for each participant.
5. Sample Outputs:

```
PS C:\Users\sweth> & C:/Users/sweth/.pyenv/pyenv-win/versions/3.9.6/python.exe c:/Users/sweth/Desktop/agent_system/Speed_Dating.py
Enter the number of couples: 4
Enter the number of interests: 7
Broadcast server running on 0.0.0.0:9091
NS running on 127.0.0.1:19143 (127.0.0.1)
URI = PYRO:Pyro.NameServer@127.0.0.1:19143

Swipe, smile, match, love at first sight!
The Speed Dating event has begun

InitiatorAgent Aisha initiated with topics: ['Cars', 'Cooking', 'Theater', 'Movies', 'Sports', 'Fashion', 'Pandas']
ResponderAgent Ishaan initiated with topics: ['Theater', 'Books', 'Fashion', 'Travelling', 'Music', 'Coding', 'Fitness']
InitiatorAgent Aisha initiated with topics: ['Photography', 'F1', 'Cooking', 'Pandas', 'Music', 'Books', 'Fashion']
ResponderAgent Mohammed initiated with topics: ['F1', 'Cars', 'Gaming', 'Sports', 'Netflix', 'Fashion', 'Art']
InitiatorAgent Vihaan initiated with topics: ['Coding', 'Dancing', 'Gaming', 'Fashion', 'Books', 'Cars', 'Sports']
ResponderAgent Sangeetha initiated with topics: ['Theater', 'Gaming', 'Photography', 'F1', 'Art', 'Netflix', 'Music']
InitiatorAgent Diya initiated with topics: ['F1', 'Pandas', 'Sports', 'Music', 'Netflix', 'Cars', 'Theater']
ResponderAgent Aarav initiated with topics: ['Coding', 'Cooking', 'Sports', 'Books', 'Dancing', 'Movies', 'Netflix']
INFO [2023-05-24 13:48:00.245280] (SpeedDateOrganizer):
~~Turn 1~~
INFO [2023-05-24 13:48:00.301313] (Aisha): Hey ! Do you like Pandas ?
INFO [2023-05-24 13:48:00.301313] (Ishaan): NO, I don't like Pandas
INFO [2023-05-24 13:48:00.301313] (Aisha): Ishaan replied NO
INFO [2023-05-24 13:48:01.387181] (Aisha): Hey ! Do you like Fashion ?
INFO [2023-05-24 13:48:01.387181] (Mohammed): YES, I like Fashion
INFO [2023-05-24 13:48:01.391183] (Aisha): Mohammed replied YES
INFO [2023-05-24 13:48:02.483423] (Vihaan): Hey ! Do you like Coding ?
INFO [2023-05-24 13:48:02.491425] (Sangeetha): NO, I don't like Coding
INFO [2023-05-24 13:48:02.491425] (Vihaan): Sangeetha replied NO
INFO [2023-05-24 13:48:03.560837] (Diya): Hey ! Do you like Music ?
INFO [2023-05-24 13:48:03.564838] (Aarav): NO, I don't like Music
INFO [2023-05-24 13:48:03.564838] (Diya): Aarav replied NO
INFO [2023-05-24 13:48:04.589594] (SpeedDateOrganizer): Aisha and Mohammed proudly claim the title of the ultimate 'first-to-match' couple
NS shut down.
PS C:\Users\sweth> |
```

```
Enter the number of couples: 3
Enter the number of interests: 1
Broadcast server running on 0.0.0.0:9091
NS running on 127.0.0.1:12344 (127.0.0.1)
URI = PYRO:Pyro.NameServer@127.0.0.1:12344

Swipe, smile, match, love at first sight!
The Speed Dating event has begun

InitiatorAgent Ishaan initiated with topics: ['Sports']
ResponderAgent Aryan initiated with topics: ['F1']
InitiatorAgent Pranav initiated with topics: ['Cooking']
ResponderAgent Vihaan initiated with topics: ['Gaming']
InitiatorAgent Aisha initiated with topics: ['Pandas']
ResponderAgent Hari initiated with topics: ['Photography']
INFO [2023-05-24 13:58:54.100520] (SpeedDateOrganizer):
~~Turn 1~~
INFO [2023-05-24 13:58:54.163530] (Ishaan): Hey ! Do you like Sports ?
INFO [2023-05-24 13:58:54.164529] (Aryan): NO, I don't like Sports
INFO [2023-05-24 13:58:54.165530] (Ishaan): Aryan replied NO
INFO [2023-05-24 13:58:55.252104] (Pranav): Hey ! Do you like Cooking ?
INFO [2023-05-24 13:58:55.253104] (Vihaan): NO, I don't like Cooking
INFO [2023-05-24 13:58:55.255106] (Pranav): Vihaan replied NO
INFO [2023-05-24 13:58:56.344621] (Aisha): Hey ! Do you like Pandas ?
INFO [2023-05-24 13:58:56.345604] (Hari): NO, I don't like Pandas
INFO [2023-05-24 13:58:56.346614] (Aisha): Hari replied NO
INFO [2023-05-24 13:58:57.371017] (SpeedDateOrganizer):
~~Turn 2~~
INFO [2023-05-24 13:58:57.442057] (Pranav): Hey ! Do you like Cooking ?
INFO [2023-05-24 13:58:57.443035] (Aryan): NO, I don't like Cooking
INFO [2023-05-24 13:58:57.444035] (Pranav): Aryan replied NO
INFO [2023-05-24 13:58:58.544608] (Aisha): Hey ! Do you like Pandas ?
INFO [2023-05-24 13:58:58.545608] (Vihaan): NO, I don't like Pandas
INFO [2023-05-24 13:58:58.546612] (Aisha): Vihaan replied NO
INFO [2023-05-24 13:58:59.626653] (Ishaan): Hey ! Do you like Sports ?
INFO [2023-05-24 13:58:59.627672] (Hari): NO, I don't like Sports
INFO [2023-05-24 13:58:59.629652] (Ishaan): Hari replied NO
INFO [2023-05-24 13:59:00.656047] (SpeedDateOrganizer):
~~Turn 3~~
INFO [2023-05-24 13:59:00.731088] (Aisha): Hey ! Do you like Pandas ?
INFO [2023-05-24 13:59:00.732066] (Aryan): NO, I don't like Pandas
INFO [2023-05-24 13:59:00.733063] (Aisha): Aryan replied NO
INFO [2023-05-24 13:59:01.820151] (Ishaan): Hey ! Do you like Sports ?
INFO [2023-05-24 13:59:01.821151] (Vihaan): NO, I don't like Sports
INFO [2023-05-24 13:59:01.823155] (Ishaan): Vihaan replied NO
INFO [2023-05-24 13:59:02.908093] (Pranav): Hey ! Do you like Cooking ?
INFO [2023-05-24 13:59:02.910086] (Hari): NO, I don't like Cooking
INFO [2023-05-24 13:59:02.911089] (Pranav): Hari replied NO
INFO [2023-05-24 13:59:03.937208] (SpeedDateOrganizer): It seems like Cupid needs to work on their aim today! No love sparks flew between the couples.
NS shut down.
PS C:\Users\sweth> |
```

```
PS C:\Users\sweth> & C:/Users/sweth/.pyenv/pyenv-win/versions/3.9.6/python.exe c:/Users/sweth/Desktop/agent_system/Speed_Dating.py
Enter the number of couples: 7
Enter the number of interests: 2
Broadcast server running on 0.0.0.0:9091
NS running on 127.0.0.1:19569 (127.0.0.1)
URI = PYRO:Pyro.NameServer@127.0.0.1:19569

Swipe, smile, match, love at first sight!
The Speed Dating event has begun

InitiatorAgent Ishaan initiated with topics: ['Netflix', 'Photography']
ResponderAgent Pranav initiated with topics: ['Fashion', 'F1']
InitiatorAgent Advait initiated with topics: ['Photography', 'Movies']
ResponderAgent Mohammed initiated with topics: ['Fashion', 'Travelling']
InitiatorAgent Vihaan initiated with topics: ['Gaming', 'Theater']
ResponderAgent Shaurya initiated with topics: ['Gaming', 'Cars']
InitiatorAgent Aanya initiated with topics: ['Music', 'Sports']
ResponderAgent Kavya initiated with topics: ['Coding', 'Sports']
InitiatorAgent Riya initiated with topics: ['Sports', 'Theater']
ResponderAgent Shaurya initiated with topics: ['Cars', 'Books']
InitiatorAgent Aryan initiated with topics: ['Sports', 'Fashion']
ResponderAgent Kavya initiated with topics: ['Photography', 'Books']
InitiatorAgent Kavya initiated with topics: ['Cars', 'Fashion']
ResponderAgent Aryan initiated with topics: ['Dancing', 'Photography']
INFO [2023-05-24 13:56:12.564342] (SpeedDateOrganizer):
    ~Turn 1~
INFO [2023-05-24 13:56:12.619351] (Ishaan): Hey ! Do you like Netflix ?
INFO [2023-05-24 13:56:12.620350] (Pranav): NO, I don't like Netflix
INFO [2023-05-24 13:56:12.621352] (Ishaan): Pranav replied NO
INFO [2023-05-24 13:56:13.715858] (Advait): Hey ! Do you like Photography ?
INFO [2023-05-24 13:56:13.717859] (Mohammed): NO, I don't like Photography
INFO [2023-05-24 13:56:13.719862] (Advait): Mohammed replied NO
INFO [2023-05-24 13:56:14.809035] (Vihaan): Hey ! Do you like Theater ?
INFO [2023-05-24 13:56:14.811036] (Shaurya): NO, I don't like Theater
INFO [2023-05-24 13:56:14.812037] (Vihaan): Shaurya replied NO
INFO [2023-05-24 13:56:15.899317] (Aanya): Hey ! Do you like Sports ?
INFO [2023-05-24 13:56:15.910321] (Kavya): YES, I like Sports
INFO [2023-05-24 13:56:15.912323] (Aanya): Kavya replied YES
INFO [2023-05-24 13:56:16.985688] (Riya): Hey ! Do you like Theater ?
INFO [2023-05-24 13:56:16.986830] (Shaurya): NO, I don't like Theater
INFO [2023-05-24 13:56:16.988846] (Riya): Shaurya replied NO
INFO [2023-05-24 13:56:18.074648] (Aryan): Hey ! Do you like Fashion ?
INFO [2023-05-24 13:56:18.075648] (Kavya): NO, I don't like Fashion
INFO [2023-05-24 13:56:18.077653] (Aryan): Kavya replied NO
INFO [2023-05-24 13:56:19.144512] (Kavya): Hey ! Do you like Fashion ?
INFO [2023-05-24 13:56:19.166517] (Aryan): NO, I don't like Fashion
INFO [2023-05-24 13:56:19.166517] (Kavya): Aryan replied NO
INFO [2023-05-24 13:56:20.189936] (SpeedDateOrganizer): Aanya and Kavya proudly claim the title of the ultimate 'first-to-match' couple
NS shut down.
PS C:\Users\sweth> 
```