1. List comments containing the ‘word’ OMG, ordered by increasing Poster and decreasing Date.(4points)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 3 | 10001 | 10002 | OMG | 2012-04-06 |

1. Display, without duplicates, male Users with female friends.(4 points)

|  |  |  |
| --- | --- | --- |
| 10001 | John Wu | M |
| 10002 | Anderson Wu | M |

1. Find pairs of users of opposite gender who became friends this year.(6 points)

|  |  |  |
| --- | --- | --- |
| 10001 | John Wu | M |
| 10002 | Anderson Wu | M |

1. For each user, find the number of female and male friends (upto two lines per user in the output).(6 points)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 10001 | John Wu | M | 3 | 3 |
| 10002 | Anderson Wu | M | 3 | 1 |
| 10003 | Feng Ming Liang | F | 2 | 0 |
| 10004 | Chi Chu Wu | M | 2 | 0 |
| 10005 | Link Wu | M | 2 | 0 |
| 10006 | Elly Wu | F | 1 | 0 |
| 10007 | Daisy Johnson | F | 1 | 0 |

1. Find male Users who have received no comments from female Users.(9 points)

|  |  |  |
| --- | --- | --- |
| 10001 | John Wu | M |
| 10003 | Feng Ming Liang | F |
| 10004 | Chi Chu Wu | M |
| 10005 | Link Wu | M |
| 10006 | Elly Wu | F |
| 10007 | Daisy Johnson | F |

1. Find Users who have commented at least twice to the same User.(9 points)

|  |  |  |
| --- | --- | --- |
| 10001 | John Wu | M |

1. For each User who has commented at least twice, list the Text and the Postdate of comments to friends.(12 points)

|  |  |  |
| --- | --- | --- |
| John Wu | How's it going? | 2012-04-06 |
| John Wu | OMG | 2012-04-06 |
| John Wu | Sounds like fun, what was it like? | 2019-10-17 |
| John Wu | Hey, don't forget to feed the dogs please! | 2019-10-22 |
| John Wu | Hey, how's it going? | 2019-02-06 |

1. List Users who have posted comments to all female users. (No aggregate operations).(15 points)

|  |  |  |  |
| --- | --- | --- | --- |
| 10001 |  | John Wu | M |

1. List User(s) who have received comments from the most number of Users.(15 points)

|  |  |  |  |
| --- | --- | --- | --- |
| 10002 | Anderson Wu | M | 3 |