

# AMONG US ASSIGNMENT

EDUCATIONAL COURSEWARE TEMPLATE

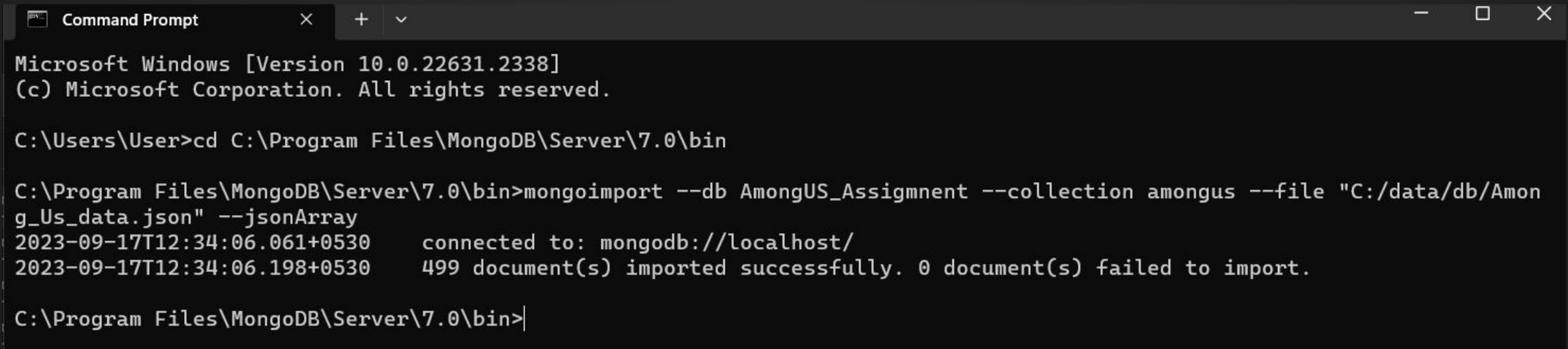


## Question 1.1 – Read in the data using the mongoimport command.

### Command –

```
C:\Program Files\MongoDB\Server\7.0\bin>mongoimport --db AmongUS_Assignment --collection Game --file "C:\data\db\Among_Us_data.json" --jsonArray
```

### Output Screenshot –



```
Command Prompt
Microsoft Windows [Version 10.0.22631.2338]
(c) Microsoft Corporation. All rights reserved.

C:\Users\User>cd C:\Program Files\MongoDB\Server\7.0\bin

C:\Program Files\MongoDB\Server\7.0\bin>mongoimport --db AmongUS_Assignment --collection amongus --file "C:/data/db/Amon
g_Us_data.json" --jsonArray
2023-09-17T12:34:06.061+0530    connected to: mongodb://localhost/
2023-09-17T12:34:06.198+0530    499 document(s) imported successfully. 0 document(s) failed to import.

C:\Program Files\MongoDB\Server\7.0\bin>
```

## Question 1.2 – Display data for the match with “game” = “3”

Command –

```
AmongUS_Assignment> db.amgus.find({"game":"3"}).pretty()
```

```
mongosh mongodb://localho x + v
}
]
AmongUS_Assignment> db.amgus.find({"game":"3"}).pretty()
[
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    game: '3',
    Game_Feed: [
      {
        Event: 1,
        Map: 'Polus',
        Outcome: '',
        'Player/Team': 'Keaton',
        Action: 'kills',
        Player: 'BK',
        Role: '(Crew).',
        'Game Feed': 'Keaton (Impostor) kills BK (Crew).',
        Day: 1,
        'Votes Off Code': '',
        'Vote ID': '',
        'Day 1 vote': '',
        'Crew Alive': 8,
        'Impostors Alive': 2,
        Score: '8-2'
      },
      {
        Event: 2,
        Map: 'Polus',
        Outcome: '',
        'Player/Team': 'Keaton',
        Action: 'finds body of',
        Player: 'BK',
        Role: '(Crew).',
        'Game Feed': 'Keaton (Impostor) finds body of BK (Crew).',
        Day: 1,
        'Votes Off Code': 0,
        'Vote ID': '3-1',
        'Day 1 vote': 'Skipped Vote.',
        'Crew Alive': 7,
        'Impostors Alive': 2,
        Score: '7-2'
      }
    ]
  }
]
```

Question 2 - Explore Data - create a new collection with only the document relating to game 3.

Command -

```
AmongUS_Assignment> db.amgus.aggregate([ { $match: { "game": "3" } }, { $out: "NewGame" } ])
```

```
AmongUS_Assignment> show collections
```

Game

Game3

```
mongosh mongodb://localhost
2
AmongUS_Assignment> db.amgus.aggregate([{$match:{"game":"3"}},{ $out:"NewGame"}])
AmongUS_Assignment> db.getCollectionNames()
[ 'amgus', 'new_game', 'NewGame' ]
AmongUS_Assignment> db.NewGame.find()
[
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    game: '3',
    Game_Feed: [
      {
        Event: 1,
        Map: 'Polus',
        Outcome: '',
        'Player/Team': 'Keaton',
        Action: 'kills',
        Player: 'BK',
        Role: '(Crew).',
        'Game Feed': 'Keaton (Impostor) kills BK (Crew).',
        Day: 1,
        'Votes Off Code': '',
        'Vote ID': '',
        'Day 1 vote': '',
        'Crew Alive': 8,
        'Impostors Alive': 2,
        Score: '8-2'
      },
      {
        Event: 2,
        Map: 'Polus',
        Outcome: '',
        'Player/Team': 'Keaton',
        Action: 'finds body of',
        Player: 'BK',
        Role: '(Crew).',
        'Game Feed': 'Keaton (Impostor) finds body of BK (Crew).',
        Day: 1,
        'Votes Off Code': 0,
        'Vote ID': '3-1',
      }
    ]
  }
]
```

Question 2.1 - Display the Game Feed data for the game in the new collection.

Command -

```
AmongUS_Assigmnent> db.NewGame.aggregate([{$unwind: '$Game_Feed' },{$project: {'Game_Feed':1}}])
```

```
mongosh mongodb://localhost
AmongUS_Assigmnent.NewGame.GameFeed
AmongUS_Assigmnent> db.NewGame.aggregate([{$unwind: '$Game_Feed' },{$project: {'Game_Feed':1}}])
[
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: {
      Event: 1,
      Map: 'Polus',
      Outcome: '',
      'Player/Team': 'Keaton',
      Action: 'kills',
      Player: 'BK',
      Role: '(Crew).',
      'Game Feed': 'Keaton (Impostor) kills BK (Crew).',
      Day: 1,
      'Votes Off Code': '',
      'Vote ID': '',
      'Day 1 vote': '',
      'Crew Alive': 8,
      'Impostors Alive': 2,
      Score: '8-2'
    }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: {
      Event: 2,
      Map: 'Polus',
      Outcome: '',
      'Player/Team': 'Keaton',
      Action: 'finds body of',
      Player: 'BK',
      Role: '(Crew).',
      'Game Feed': 'Keaton (Impostor) finds body of BK (Crew).',
      Day: 1,
      'Votes Off Code': 0,
      'Vote ID': '3-1',
      'Day 1 vote': 'Skipped Vote.',
      'Crew Alive': 7,
      'Impostors Alive': 2,
      Score: '7-2'
    }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: {
      Event: 3,
      Map: 'Polus',
      Outcome: '',
      'Player/Team': 'Crew',
```

## Question 2.2 - Display the last event in game 3.

Command -

```
db.NewGame.aggregate([{$unwind: '$Game_Feed' }, {$project: {'Game_Feed':1}}, { $match:
{ 'Game_Feed.Event': 10 } } ])
```

```
AmongUS_Assigmnent> db.NewGame.aggregate([{$unwind: '$Game_Feed' },{$project: {'Game_Feed':1}},{$match: { 'Game_Feed.Event': 10 } } ])
```

```
[
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: {
      Event: 10,
      Map: 'Polus',
      Outcome: '3-End',
      'Player/Team': '',
      Action: 'Crew Win - Voting',
      Player: '',
      Role: '',
      'Game Feed': 'Crew Win - Voting',
      Day: 4,
      'Votes Off Code': '',
      'Vote ID': '',
      'Day 1 vote': '',
      'Crew Alive': 5,
      'Impostors Alive': 0,
      Score: '5-0'
    }
  }
]
```

```
AmongUS_Assigmnent> A|
```

## Question 2.3 - Who won game 3, imposters or crew?

Command -

```
db.NewGame.aggregate([ { $unwind: '$Game_Feed' }, { $project: { 'Game_Feed.Game_Feed': 1 } } ])
```

Answer - Crew wins by voting

```
mongosh mongodb://127.0.0.1:27021/
> use AmongUS_Assigment
> db.NewGame.aggregate([ { $unwind: '$Game_Feed' }, { $project: { 'Game_Feed.Game_Feed': 1 } } ])
[
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Keaton (Impostor) kills BK (Crew).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Keaton (Impostor) finds body of BK (Crew).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Crew skips voting.' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Keaton (Impostor) kills zlubars (Crew).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Mani (Crew) finds body of zlubars (Crew).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Crew votes off Keaton (Impostor).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Dreamy (Impostor) kills wrapper (Crew).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Dreamy (Impostor) finds body of wrapper (Crew).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Crew votes off Dreamy (Impostor).' }
  },
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    Game_Feed: { 'Game_Feed': 'Crew Win - Voting' }
  }
]
```



## Question 2.4 - Who picked the black color in game 3? Was that player crew or imposter?

Command -

```
db.NewGame.aggregate([ { $unwind: '$player_data' }, { $project: { 'player_data': 1 } }, { $match: { 'player_data.Color': 'Black' } } ] )
```

Answer - Impostor Keaton picked black color

```
AmongUS_Assignment> db.NewGame.aggregate([ { $unwind: '$player_data' }, { $project: { 'player_data': 1 } }, { $match: { 'player_data.Color': 'Black' } } ] )
[
  {
    _id: ObjectId("6506b6fa51464c1d00059b30"),
    player_data: { Player: 9, name: 'Keaton', Role: '(Impostor)', Color: 'Black' }
  }
]
AmongUS_Assignment> A|
```



Question 2.5 - How many voting events happened in game 3?

Command -

```
AmongUS_Assignment> db.NewGame.aggregate([ { $unwind: '$voting_data' }, { $project: { 'voting_data.Vote_Event': 1 } }, { $group: { _id: null, count: { $sum: 1 } } } ] )
```

Answer - 24 voting event occurred in Game 3

```
AmongUS_Assignment> db.NewGame.aggregate([ { $unwind: '$voting_data' }, { $project: { 'voting_data.Vote_Event': 1 } }, { $group: { _id: null, count: { $sum: 1 } } } ] )
[ { _id: null, count: 24 } ]
AmongUS_Assignment>

AmongUS_Assignment>
```

**Question 2.6** - This task was focused on exploring a single document. As explained earlier the document is made of 4 main fields and three of those are nested and hold a lot of data. If you were to redesign this database to make it easier to query, what changes would you make to the structure? Explain your design decisions. Do not modify the structure, simply explain the changes you want to make and justify them.

**Answer** - Create 4 collections. Game collection will have references to other collections via Game id. Using multiple collections should make the queries efficient.

Game	Game Feed	Player Data	Voting Data
<ul style="list-style-type: none"><li>• id</li><li>• Game_Feed_id</li><li>• Player_Data_ID</li><li>• Voting_Data_ID</li></ul>	<ul style="list-style-type: none"><li>• Game_id</li><li>• Game_Feed_id</li><li>• Event</li></ul>	<ul style="list-style-type: none"><li>• Game_id</li><li>• Player_Data</li></ul>	<ul style="list-style-type: none"><li>• Game_id</li><li>• Voting_data</li></ul>

# Overall Aggregation

---

**Question 3.1** – How many events in total do you have data for, in this collection (across all games)? An event as explained earlier is a record of development in the game.

**Command** – AmongUS\_Assignment> db.amgus.aggregate([ { \$unwind: '\$Game\_Feed' }, { \$project: { 'Game\_Feed':1 } }, { \$group: { \_id:null, count: { \$sum:1 } } } ] )

**Answer** – Total of 5889 events exist in all games

```
AmongUS_Assignment> db.amgus.aggregate([ { $unwind: '$Game_Feed' }, { $project: { 'Game_Feed':1 }, { $group: { _id:null, count: { $sum:1 } } } ] )
[ { _id: null, count: 5889 } ]
AmongUS_Assignment> |
```

**Question 3.2** - How many matches did the crew win versus how many matches did the impostors win?

**Command** - AmongUS\_Assignment>db.amgus.aggregate([{\$unwind: '\$Game\_Feed' }, {\$project: {'Game\_Feed':1}}, {\$match: {'Game\_Feed.Outcome':{ \$regex: "End\$"}}}, {\$group: { \_id: { Action: "\$Game\_Feed.Action" }, totalwins: { \$sum:1} } }])

**Answer** -

1. Crew Wins - 323 (279+44)
2. Imposter Wins - 176 (2+174)

```
AmongUS_Assignment> db.amgus.aggregate([{$unwind: '$Game_Feed' },{$project: {'Game_Feed':1}},{$match: {'Game_Feed.Outcome':{ $regex: "End$"}}},{$group: { _id: { Action: "$Game_Feed.Action" }, totalwins: { $sum:1} } }])
[
  { _id: { Action: 'Crew Win - Voting' }, totalwins: 279 },
  { _id: { Action: 'Impostor Win - Sabotage' }, totalwins: 2 },
  { _id: { Action: 'Crew Win - Tasks' }, totalwins: 44 },
  { _id: { Action: 'Impostor Win - Kills' }, totalwins: 174 }
]
AmongUS_Assignment> |
```

**Question 3.3** – Find out how many matches were played on each map. Your output should contain the names of maps and the number of games played on each map.

**Command** – `db.amgus.aggregate([{$unwind: '$Game_Feed'}, {$project: {'Game_Feed':1}}, {$match: {'Game_Feed.Outcome':{$regex: "End$"}}}, {$group: { _id: { Action: '$Game_Feed.Map' }, MatchesPlayedOnMaps: { $sum:1 } } }])`

**Answer** – # of Matches played on each map is

1. The Skeld – 88 Matches
2. MIRA HQ – 7 Matches
3. Polus – 404 Matches

```
AmongUS_Assignment> db.amgus.aggregate([{$unwind: '$Game_Feed'},{$project: {'Game_Feed':1}},{$match: {'Game_Feed.Outcome':{$regex: "End$"}}},{$group: { _id: { Action: "$Game_Feed.Map" }, MatchesPlayedOnMaps: { $sum:1 } } }])
[
  { _id: { Action: 'Polus' }, MatchesPlayedOnMaps: 404 },
  { _id: { Action: 'The Skeld' }, MatchesPlayedOnMaps: 88 },
  { _id: { Action: 'MIRA HQ' }, MatchesPlayedOnMaps: 7 }
]
AmongUS_Assignment> |
```

**Question 3.4** – How many times in total across all games did the crew skip a vote?

**Command** – `db.Game.aggregate([ { $unwind: '$Game_Feed' }, { $project: { 'Game_Feed':1 } }, { $match: { 'Game_Feed.Game_Feed': 'Crew skips voting.' } }, { $group: { _id:null, count: { $sum:1 } } } ] )`

**Answer** – The crew skipped voting 692 times

```
AmongUS_Assigment> db.amgus.aggregate([ { $unwind: '$Game_Feed' }, { $project: { 'Game_Feed':1 } }, { $match: { 'Game_Feed.Game_Feed': 'Crew skips voting.' } }, { $group: { _id:null, count: { $sum:1 } } } ] )
[ { _id: null, count: 692 } ]
AmongUS_Assigment> |
```



**Question 3.5** – How many times in total across all matches does the crew vote against imposters?

**Command** – `AmongUS_Assignment>db.amgus.aggregate([{$unwind: '$Game_Feed' }, {$project: {'Game_Feed':1}}, {$match: {'Game_Feed.Outcome':{$regex: "End$"}}}, {$group: { _id: { Action: "$Game_Feed.Action" }, totalwins: { $sum:1} } }])`

**Answer** – The crew wins voting 279 times

```
AmongUS_Assignment> db.amgus.aggregate([{$unwind: '$Game_Feed' },{$project: {'Game_Feed':1}},{$match: {'Game_Feed.Outcome':{$regex: "End$"}}},{$group: { _id: { Action: "$Game_Feed.Action" }, totalwins: { $sum:1} } }])
[
  { _id: { Action: 'Crew Win - Voting' }, totalwins: 279 },
  { _id: { Action: 'Impostor Win - Sabotage' }, totalwins: 2 },
  { _id: { Action: 'Crew Win - Tasks' }, totalwins: 44 },
  { _id: { Action: 'Impostor Win - Kills' }, totalwins: 174 }
]
AmongUS_Assignment>
```

**Question 3.6** – The questions you answered in this task were all related to high-level aggregations across the entire collection. In your opinion, is the game more or less hard for impostors? Justify your answer with suitable insights from the data.

**Command** – `AmongUS_Assignment>db.amgus.aggregate([{$unwind: '$Game_Feed' }, {$project: {'Game_Feed':1}}, {$match: {'Game_Feed.Outcome':{$regex: "End$"}}}, {$group: { _id: { Action: "$Game_Feed.Action" }, totalwins: { $sum:1} } }])`

**Answer** – Imposter won 35.27% (176 out of 499) of the time and Crew won 64.7% (323 out of 499). Since the odds of winning by Crew is ~65%, the game is hard for imposters.

```
AmongUS_Assignment> db.amgus.aggregate([{$unwind: '$Game_Feed' },{$project: {'Game_Feed':1}},{$match: {'Game_Feed.Outcome':{$regex: "End$"}}},{$group: { _id: { Action: "$Game_Feed.Action" }, totalwins: { $sum:1} } }])
[
  { _id: { Action: 'Crew Win - Voting' }, totalwins: 279 },
  { _id: { Action: 'Impostor Win - Sabotage' }, totalwins: 2 },
  { _id: { Action: 'Crew Win - Tasks' }, totalwins: 44 },
  { _id: { Action: 'Impostor Win - Kills' }, totalwins: 174 }
]
AmongUS_Assignment>
```

# Player-Level Aggregation

---

Question 4.1 – Find the number of unique players in the data set.

Command:

```
db.amgus.distinct( "player_data.name" )
```

```
db.amgus.distinct( "player_data" ).length
```

```
AmongUS_Assignment> db.amgus.distinct("player_data.name")
[
  'Sup',          'Aberdasher', 'AbeyBaby',      'Adrien',
  'Ahamkara',     'Ambiance',   'Andrew',        'AshlenRose',
  'BK',           'BRazz',      'Barnabus',      'Ben P',
  'Bene',         'BennyB',     'Bim',           'Bloody',
  'Bonde',        'BradNelson', 'CALC',          'Chosaucer',
  'Colossus',     'CoolJets',   'Corey',         'DBatterskull',
  'DaveWilliams', 'Dix',        'DoubleFried',   'Dreamy',
  'DuckMyInt',    'Eirik',      'Emily',         'Eric',
  'Fader',        'FoxBox',     'GGards',        'Gaby',
  'GrahamLRR',    'HGRose',     'Ian',           'Iroknight',
  'Isaac',        'Jason',      'JohnnyCatz',    'Keaton',
  'Kibler',       'Kyle',       'LSV',           'LadyAtarka',
  'LeeSharpe',    'LegenVD',    'Mani',          'Memes',
  'Mullibok',     'MurkLurker', 'Murklurker',    'Nairbly',
  'Nate',         'Nick',       'Oltanya',       'PANCAKE',
  'Pheylop',      'Platypus',   'Pojo',          'Rada',
  'Rafon',        'Riley',      'Ryuu',          'Saku',
  'Sam',          'SamSherman', 'ScaldingHotSoup', 'Scott',
  'Seabats',      'Seven',      'Skadj',         'Squirrel_Loot',
  'Stranjak',     'Stunlock',   'SwayingRug',    'TheAsianAvenger',
  'Toffel',       'TomM',       'TomRoss',       'Trotske',
  'Voxy',         'Whyin',      'Wolf',          'ZJ',
  'Zhoola',       'Zyla',       'bsweitz',       'coco',
  'dcsports8',    'dokomoy',    'flutter',       'hafu',
  'honk',         'jorbs',      'julie',         'niphette',
  ... 8 more items
]
AmongUS_Assignment> |
```

```
AmongUS_Assignment> db.amgus.distinct("player_data.name").length
108
AmongUS_Assignment> |
```

Answer – 108 players exist in all Games

## Question 4.3 – Who is the best crew member?

### Command

- `db.Game.aggregate([ { $unwind: '$voting_data' }, { $project: { 'voting_data.Vote': 1 } }, { $match: { 'voting_data.Vote': { $regex: "Impostor voted off.$" } } }, { $match: { 'voting_data.Vote': { $regex: "^2-" } } }, { $group: { _id: { Action: "$voting_data.Vote" }, BestCrew: { $sum: 1 } } }, { $sort: { BestCrew: -1 } } ] )`

```
AmongUS_Assignment> db.amgus.aggregate([ { $unwind: '$voting_data' }, { $project: { 'voting_data.Vote': 1 } }, { $match: { 'voting_data.Vote': { $regex: "Impostor voted off.$" } } }, { $match: { 'voting_data.Vote': { $regex: "^2-" } } }, { $group: { _id: { Action: "$voting_data.Vote" }, BestCrew: { $sum: 1 } } }, { $sort: { BestCrew: -1 } } ] )
[
  { _id: { Action: '2-BK-Impostor voted off.' }, BestCrew: 54 },
  { _id: { Action: '2-dokomoy-Impostor voted off.' }, BestCrew: 44 },
  { _id: { Action: '2-Sam-Impostor voted off.' }, BestCrew: 43 },
  { _id: { Action: '2-Pheylop-Impostor voted off.' }, BestCrew: 42 },
  { _id: { Action: '2-Keaton-Impostor voted off.' }, BestCrew: 34 },
  { _id: { Action: '2-Ahamkara-Impostor voted off.' }, BestCrew: 34 },
  { _id: { Action: '2-Andrew-Impostor voted off.' }, BestCrew: 31 },
  { _id: { Action: '2-LSV-Impostor voted off.' }, BestCrew: 28 },
  { _id: { Action: '2-zlubars-Impostor voted off.' }, BestCrew: 28 },
  { _id: { Action: '2-Pojo-Impostor voted off.' }, BestCrew: 25 },
  { _id: { Action: '2-jorbs-Impostor voted off.' }, BestCrew: 25 },
  { _id: { Action: '2-Bloody-Impostor voted off.' }, BestCrew: 25 },
  { _id: { Action: '2-Mani-Impostor voted off.' }, BestCrew: 25 },
  { _id: { Action: '2-bsweitz-Impostor voted off.' }, BestCrew: 23 },
  { _id: { Action: '2-Oltanya-Impostor voted off.' }, BestCrew: 22 },
  { _id: { Action: '2-LadyAtarka-Impostor voted off.' }, BestCrew: 21 },
  { _id: { Action: '2-Zhoola-Impostor voted off.' }, BestCrew: 20 },
  { _id: { Action: '2-Ian-Impostor voted off.' }, BestCrew: 19 },
  { _id: { Action: '2-Scott-Impostor voted off.' }, BestCrew: 19 },
  { _id: { Action: '2-Chosaucer-Impostor voted off.' }, BestCrew: 17 }
]
Type "it" for more
AmongUS_Assignment> |
```

ANSWER : BK is found to be the best crew member as he voted off imposters 54 number of times



## Question 4.3 – Who is the worst crew member?

### Command

```
db.Game.aggregate([{$unwind: '$voting_data' },{$project:
{'voting_data.Vote':1}},{$match: {'voting_data.Vote':{$regex: "Crew voted
off.$"} }},{$match: {'voting_data.Vote':{$regex: "^1-"}}},{$group: { _id: { Action:
"$voting_data.Vote" }, WorstCrew: { $sum:1} } },{$sort:{WorstCrew: -1}} ])
```

```
AmongUS_Assignment> db.amgus.aggregate([{$unwind: '$voting_data' },{$project: {'voting_data.Vote':1}},{$match: {'voting_data.Vote':{$regex: "Crew voted off.
$"} }},{$match: {'voting_data.Vote':{$regex: "^1-"}}},{$group: { _id: { Action: "$voting_data.Vote" }, WorstCrew: { $sum:1} } },{$sort:{WorstCrew: -1}} ])
```

```
[
  { _id: { Action: '1-Sam-Crew voted off.' }, WorstCrew: 16 },
  { _id: { Action: '1-dokomoy-Crew voted off.' }, WorstCrew: 13 },
  { _id: { Action: '1-Andrew-Crew voted off.' }, WorstCrew: 13 },
  { _id: { Action: '1-LSV-Crew voted off.' }, WorstCrew: 13 },
  { _id: { Action: '1-BK-Crew voted off.' }, WorstCrew: 12 },
  { _id: { Action: '1-Pheylop-Crew voted off.' }, WorstCrew: 10 },
  { _id: { Action: '1-Mani-Crew voted off.' }, WorstCrew: 10 },
  { _id: { Action: '1-DBatterskull-Crew voted off.' }, WorstCrew: 10 },
  { _id: { Action: '1-Scott-Crew voted off.' }, WorstCrew: 9 },
  { _id: { Action: '1-Barnabus-Crew voted off.' }, WorstCrew: 9 },
  { _id: { Action: '1-Bloody-Crew voted off.' }, WorstCrew: 8 },
  { _id: { Action: '1-Ahamkara-Crew voted off.' }, WorstCrew: 8 },
  { _id: { Action: '1-bsweitz-Crew voted off.' }, WorstCrew: 8 },
  { _id: { Action: '1-Chosaucer-Crew voted off.' }, WorstCrew: 8 },
  { _id: { Action: '1-Gaby-Crew voted off.' }, WorstCrew: 8 },
  { _id: { Action: '1-Pojo-Crew voted off.' }, WorstCrew: 7 },
  { _id: { Action: '1-BennyB-Crew voted off.' }, WorstCrew: 7 },
  { _id: { Action: '1-Ian-Crew voted off.' }, WorstCrew: 7 },
  { _id: { Action: '1-zlubars-Crew voted off.' }, WorstCrew: 7 },
  { _id: { Action: '1-Zhoola-Crew voted off.' }, WorstCrew: 6 }
]
```

Type "it" for more  
AmongUS\_Assignment> |

Answer – Sam is the worst Crew who voted out crew 16 times

THANKS

