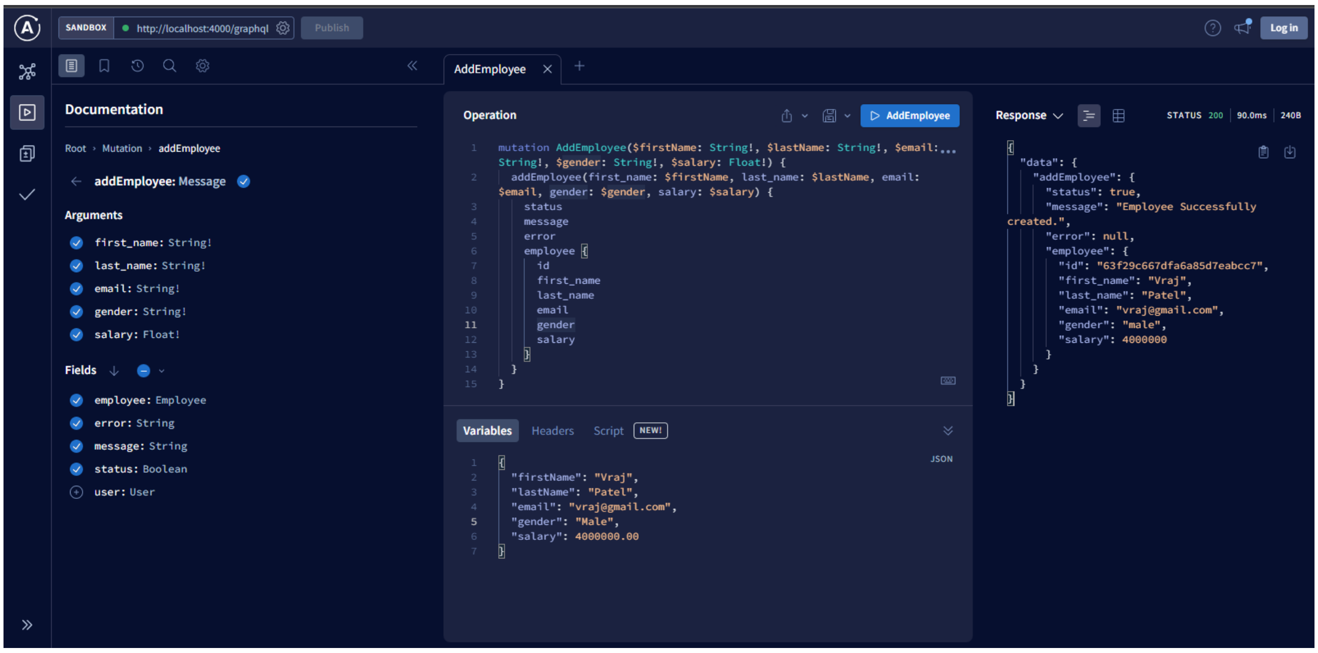
Name: Vraj Patel

ID: 101327087

ASSIGNMENT 1

Add Employee



addEmployee: Message

Arguments

- first_name: String!
- last_name: String!
- email: String!
- gender: String!
- salary: Float!

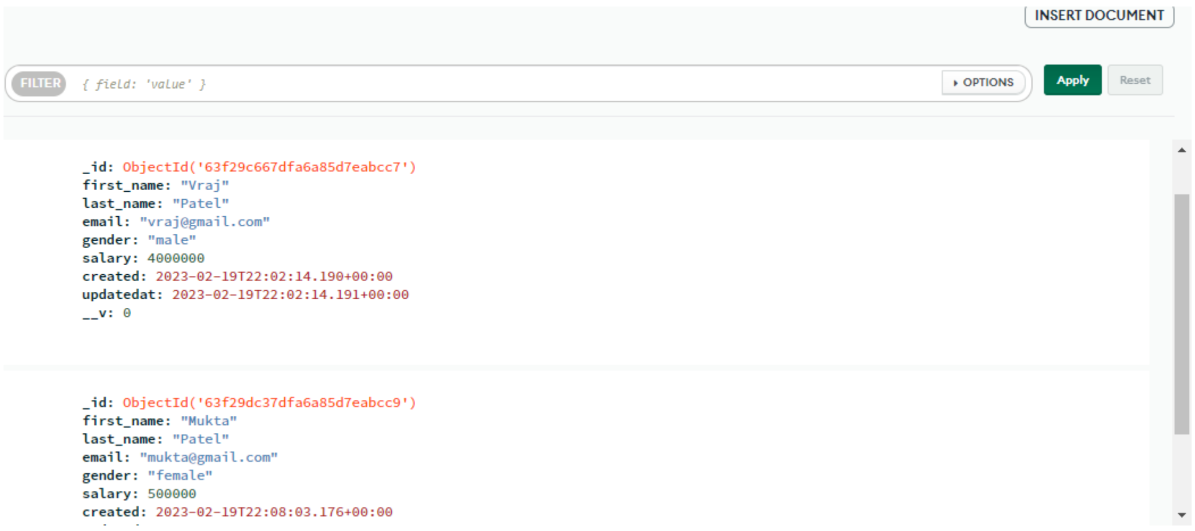
Fields

- employee: Employee
- error: String
- message: String
- status: Boolean
- user: User

```
mutation AddEmployee($firstName: String!, $lastName: String!, $email:...
String!, $gender: String!, $salary: Float!) {
  addEmployee(first_name: $firstName, last_name: $lastName, email:
$email, gender: $gender, salary: $salary) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "firstName": "Vraj",
  "lastName": "Patel",
  "email": "vraj@gmail.com",
  "gender": "Male",
  "salary": 4000000.00
}
```

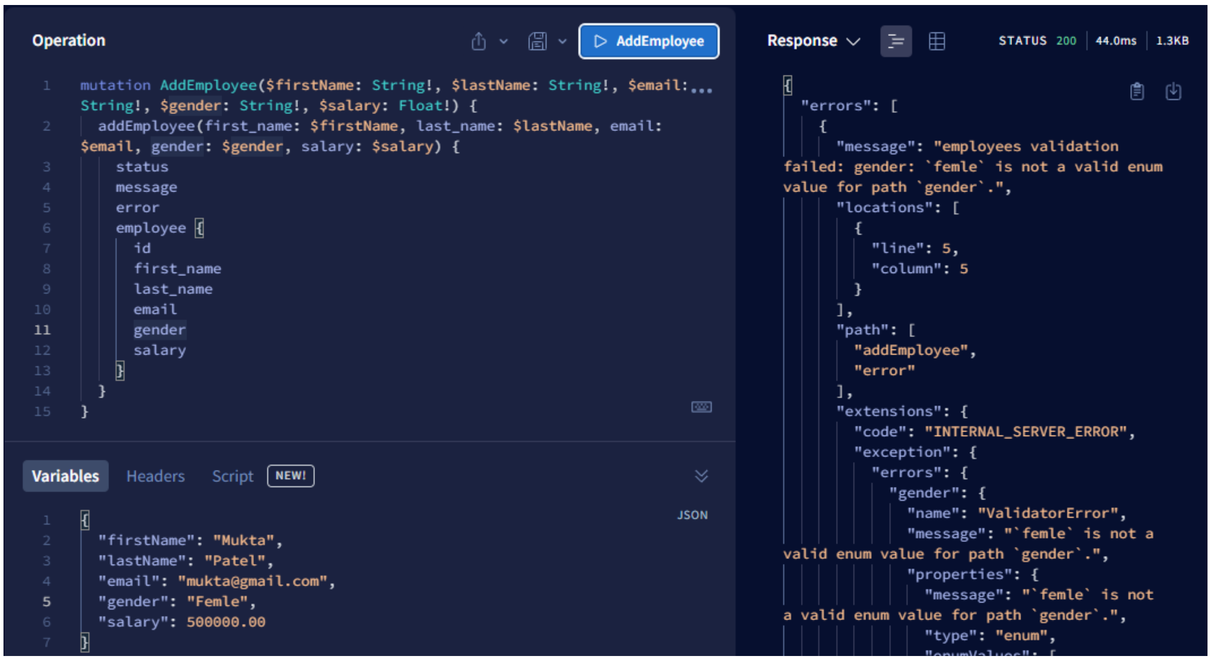
```
{
  "data": {
    "addEmployee": {
      "status": true,
      "message": "Employee Successfully
created.",
      "error": null,
      "employee": {
        "id": "63f29c667dfa6a85d7eabcc7",
        "first_name": "Vraj",
        "last_name": "Patel",
        "email": "vraj@gmail.com",
        "gender": "male",
        "salary": 4000000
      }
    }
  }
}
```



```
_id: ObjectId('63f29c667dfa6a85d7eabcc7')
first_name: "Vraj"
last_name: "Patel"
email: "vraj@gmail.com"
gender: "male"
salary: 4000000
created: 2023-02-19T22:02:14.190+00:00
updatedat: 2023-02-19T22:02:14.191+00:00
__v: 0
```

```
_id: ObjectId('63f29dc37dfa6a85d7eabcc9')
first_name: "Mukta"
last_name: "Patel"
email: "mukta@gmail.com"
gender: "female"
salary: 500000
created: 2023-02-19T22:08:03.176+00:00
```

Validation for gender

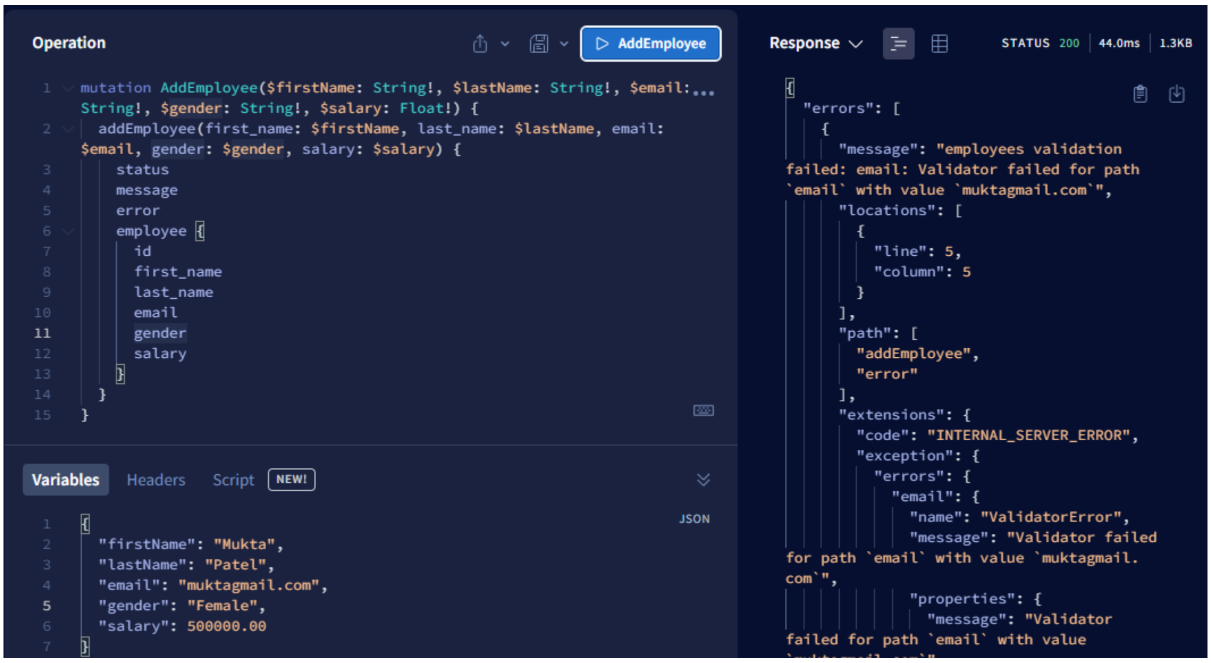


```graphql
mutation AddEmployee($firstName: String!, $lastName: String!, $email:...
String!, $gender: String!, $salary: Float!) {
  addEmployee(first_name: $firstName, last_name: $lastName, email:
$email, gender: $gender, salary: $salary) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```json
{
  "firstName": "Mukta",
  "lastName": "Patel",
  "email": "mukta@gmail.com",
  "gender": "Femle",
  "salary": 500000.00
}
```

```
{
  "errors": [
    {
      "message": "employees validation
failed: gender: `femle` is not a valid enum
value for path `gender`.",
      "locations": [
        {
          "line": 5,
          "column": 5
        }
      ],
      "path": [
        "addEmployee",
        "error"
      ],
      "extensions": {
        "code": "INTERNAL_SERVER_ERROR",
        "exception": {
          "errors": {
            "gender": {
              "name": "ValidatorError",
              "message": "`femle` is not a
valid enum value for path `gender`.",
              "properties": {
                "message": "`femle` is not
a valid enum value for path `gender`.",
                "type": "enum",
```

Validation for Email

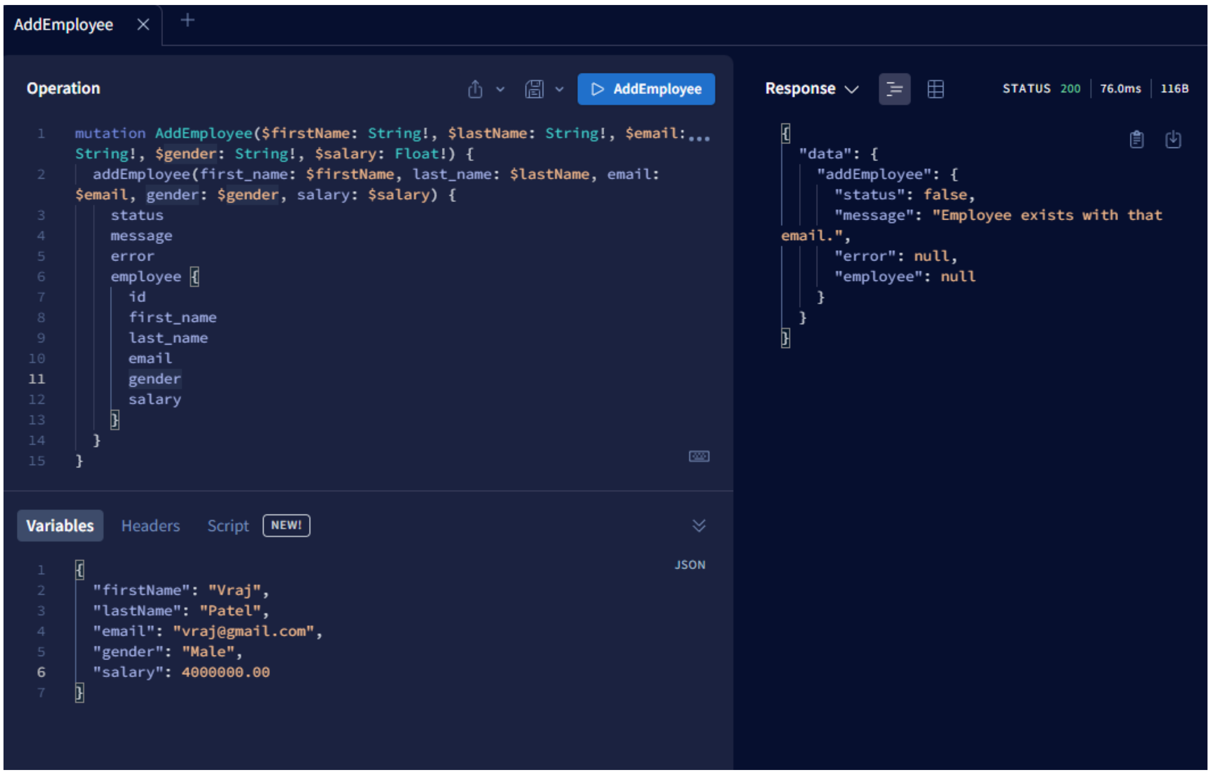


```graphql
mutation AddEmployee($firstName: String!, $lastName: String!, $email:...
String!, $gender: String!, $salary: Float!) {
  addEmployee(first_name: $firstName, last_name: $lastName, email:
$email, gender: $gender, salary: $salary) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```json
{
  "firstName": "Mukta",
  "lastName": "Patel",
  "email": "muktagmail.com",
  "gender": "Female",
  "salary": 500000.00
}
```

```
{
  "errors": [
    {
      "message": "employees validation
failed: email: Validator failed for path
`email` with value `muktagmail.com`",
      "locations": [
        {
          "line": 5,
          "column": 5
        }
      ],
      "path": [
        "addEmployee",
        "error"
      ],
      "extensions": {
        "code": "INTERNAL_SERVER_ERROR",
        "exception": {
          "errors": {
            "email": {
              "name": "ValidatorError",
              "message": "Validator failed
for path `email` with value `muktagmail.
com`",
              "properties": {
                "message": "Validator
failed for path `email` with value
```

Validation for existing employee

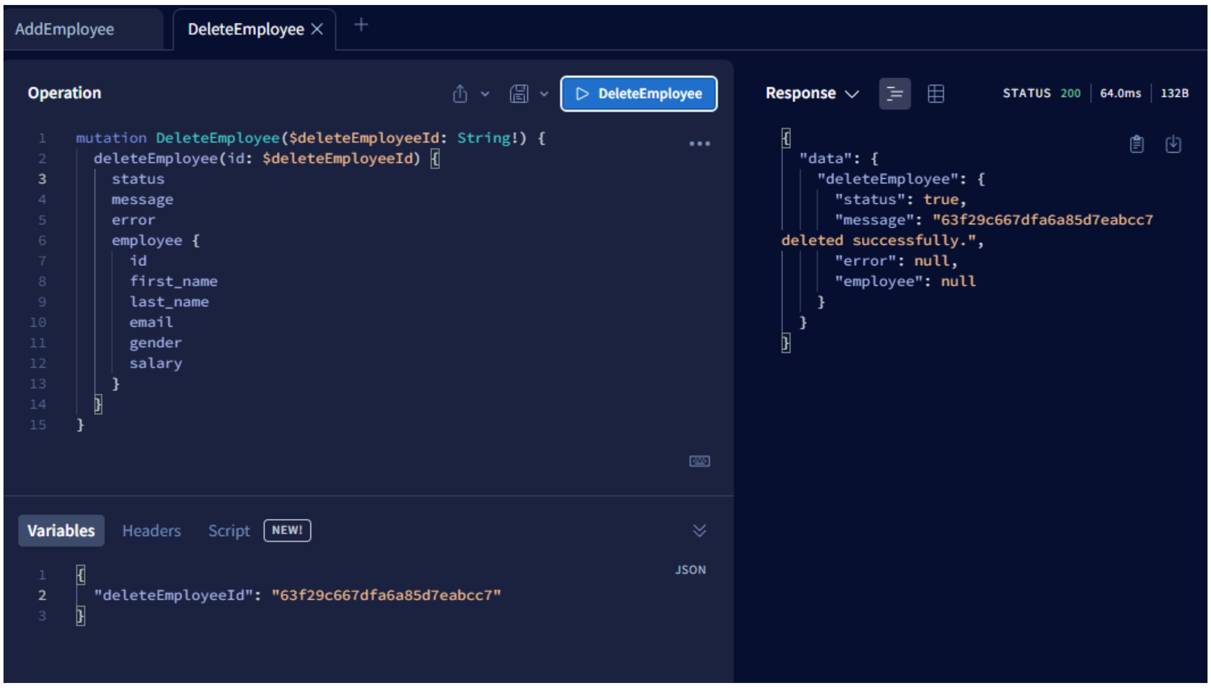


```
mutation AddEmployee($firstName: String!, $lastName: String!, $email:...
String!, $gender: String!, $salary: Float!) {
  addEmployee(first_name: $firstName, last_name: $lastName, email:
$email, gender: $gender, salary: $salary) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "firstName": "Vraj",
  "lastName": "Patel",
  "email": "vraj@gmail.com",
  "gender": "Male",
  "salary": 4000000.00
}
```

```
{
  "data": {
    "addEmployee": {
      "status": false,
      "message": "Employee exists with that
email.",
      "error": null,
      "employee": null
    }
  }
}
```

Delete Employee

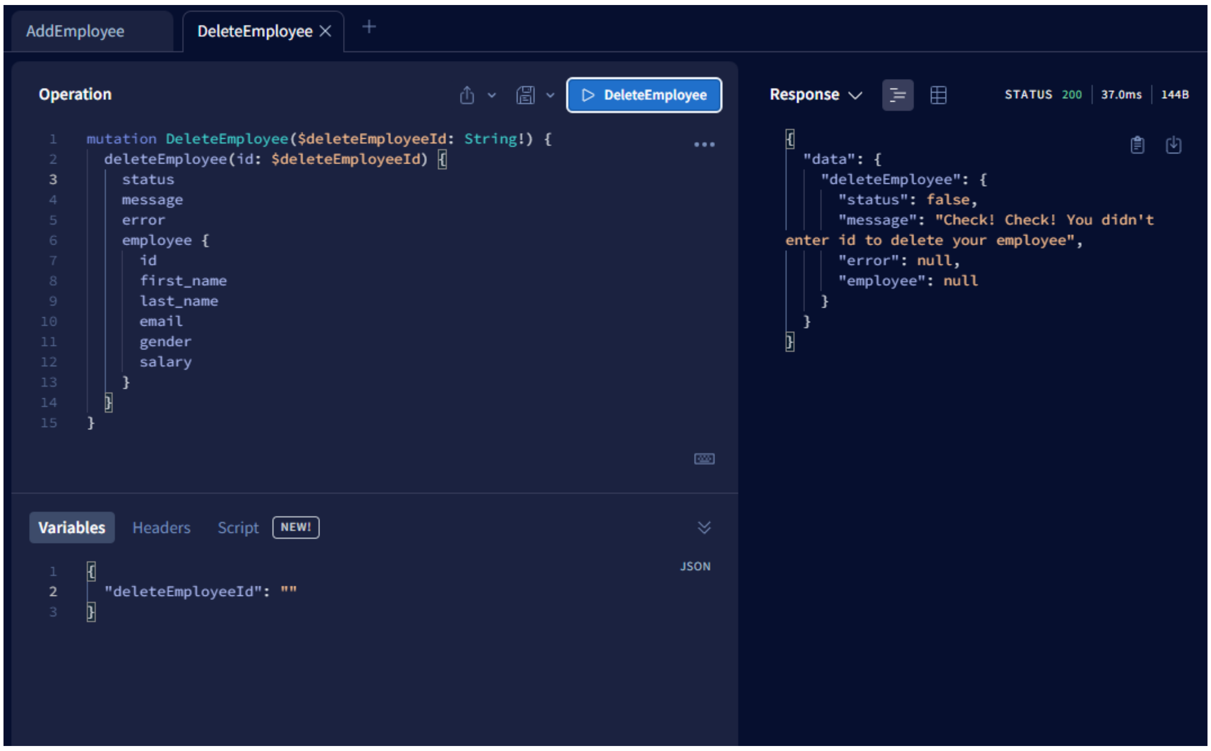


```
mutation DeleteEmployee($deleteEmployeeId: String!) {
  deleteEmployee(id: $deleteEmployeeId) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "deleteEmployeeId": "63f29c667dfa6a85d7eabcc7"
}
```

```
{
  "data": {
    "deleteEmployee": {
      "status": true,
      "message": "63f29c667dfa6a85d7eabcc7
deleted successfully.",
      "error": null,
      "employee": null
    }
  }
}
```

Delete Employee without ID error

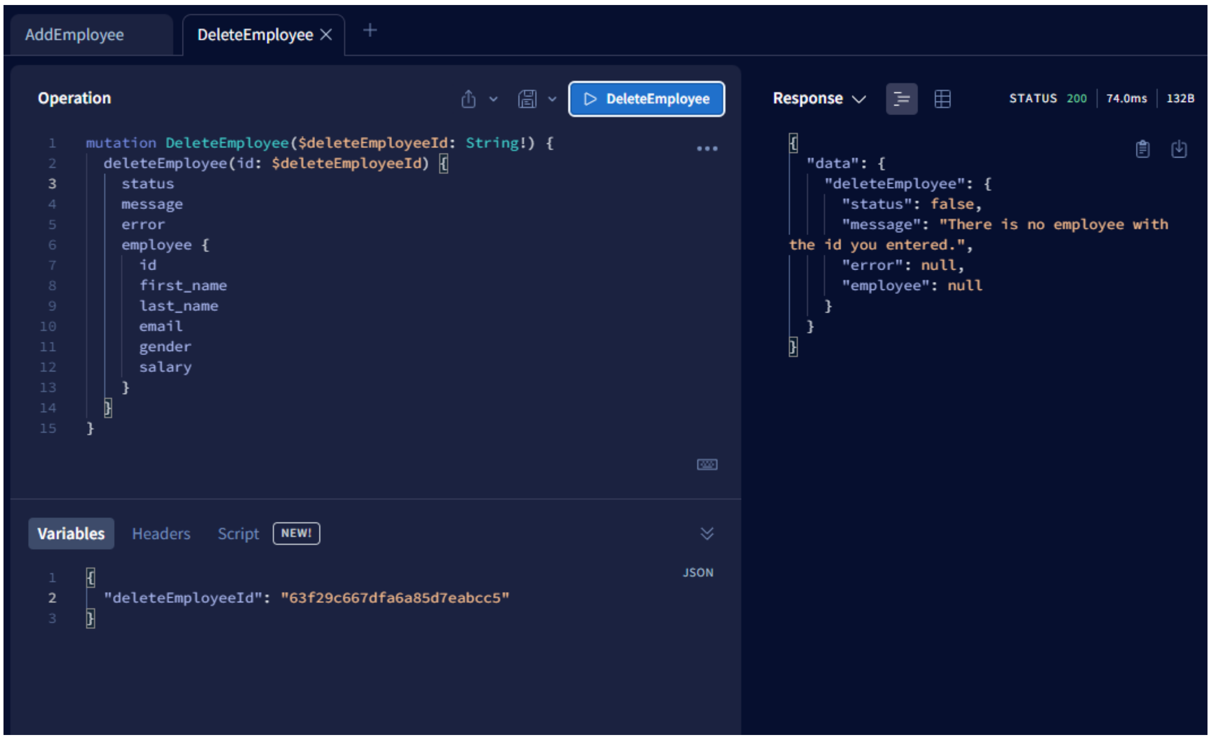


```
mutation DeleteEmployee($deleteEmployeeId: String!) {
  deleteEmployee(id: $deleteEmployeeId) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "deleteEmployeeId": ""
}
```

```
{
  "data": {
    "deleteEmployee": {
      "status": false,
      "message": "Check! Check! You didn't
enter id to delete your employee",
      "error": null,
      "employee": null
    }
  }
}
```

Delete Employee with the wrong ID

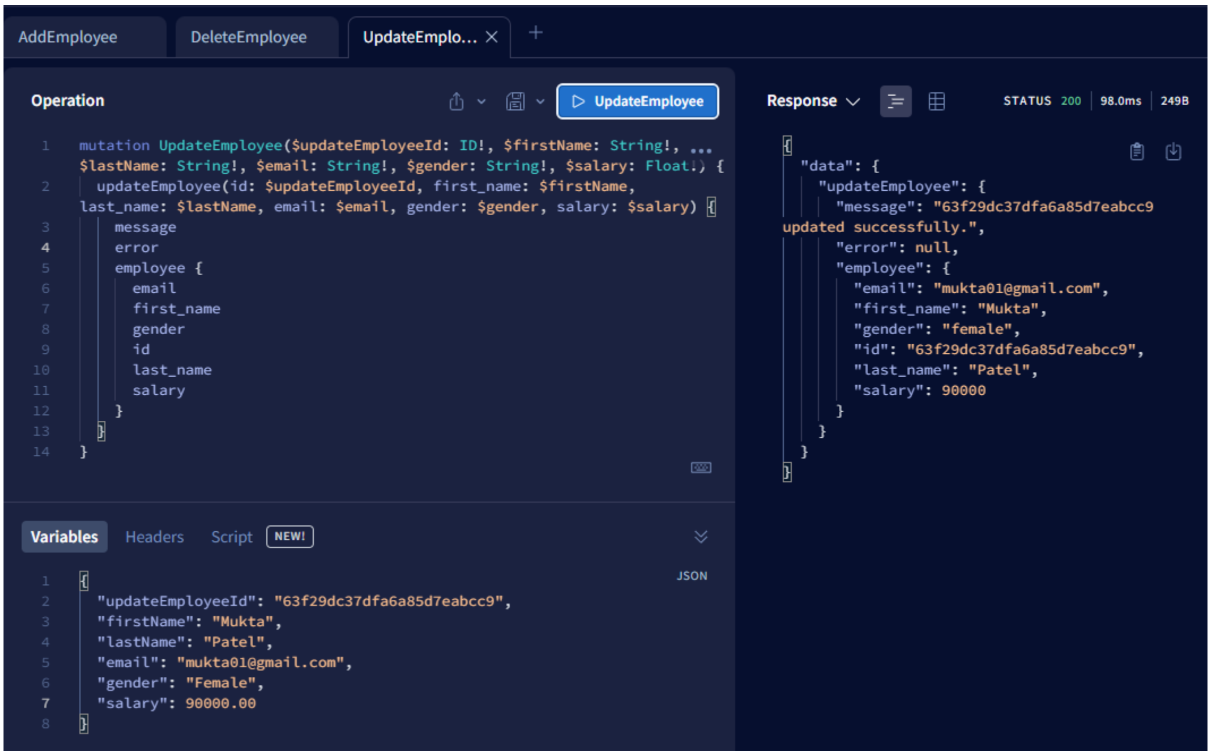


```
mutation DeleteEmployee($deleteEmployeeId: String!) {
  deleteEmployee(id: $deleteEmployeeId) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "deleteEmployeeId": "63f29c667dfa6a85d7eabcc5"
}
```

```
{
  "data": {
    "deleteEmployee": {
      "status": false,
      "message": "There is no employee with
the id you entered.",
      "error": null,
      "employee": null
    }
  }
}
```

Update Employee

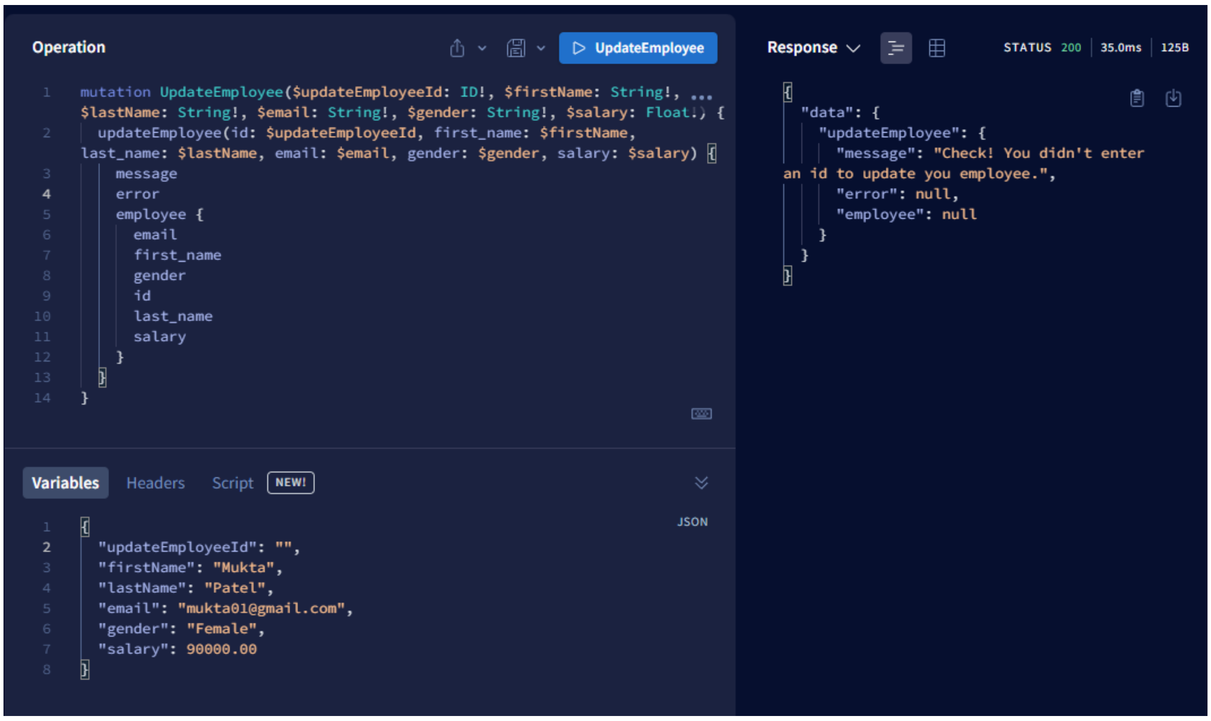


```
mutation UpdateEmployee($updateEmployeeId: ID!, $firstName: String!, ...
$lastName: String!, $email: String!, $gender: String!, $salary: Float!) {
  updateEmployee(id: $updateEmployeeId, first_name: $firstName,
last_name: $lastName, email: $email, gender: $gender, salary: $salary) {
    message
    error
    employee {
      email
      first_name
      gender
      id
      last_name
      salary
    }
  }
}
```

```
{
  "updateEmployeeId": "63f29dc37dfa6a85d7eabcc9",
  "firstName": "Mukta",
  "lastName": "Patel",
  "email": "mukta01@gmail.com",
  "gender": "Female",
  "salary": 90000.00
}
```

```
{
  "data": {
    "updateEmployee": {
      "message": "63f29dc37dfa6a85d7eabcc9
updated successfully.",
      "error": null,
      "employee": {
        "email": "mukta01@gmail.com",
        "first_name": "Mukta",
        "gender": "female",
        "id": "63f29dc37dfa6a85d7eabcc9",
        "last_name": "Patel",
        "salary": 90000
      }
    }
  }
}
```

Update Employee without id

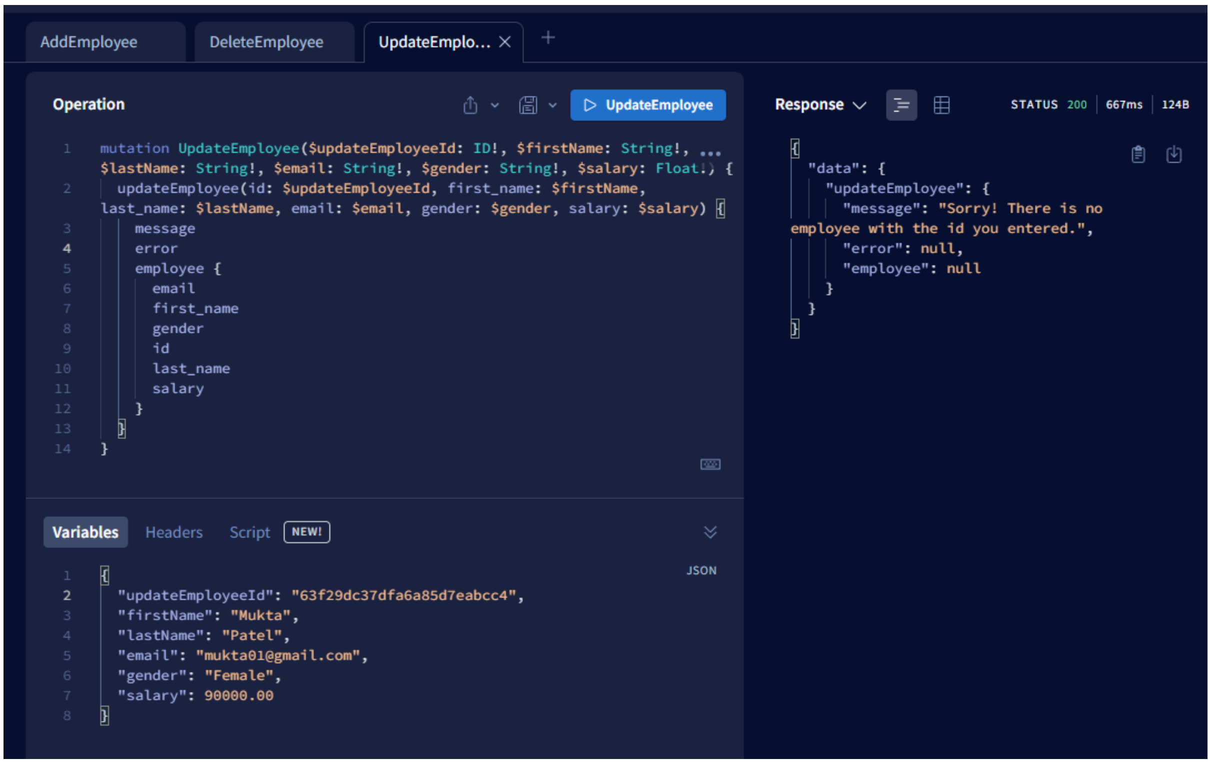


```
mutation UpdateEmployee($updateEmployeeId: ID!, $firstName: String!, ...
$lastName: String!, $email: String!, $gender: String!, $salary: Float!) {
  updateEmployee(id: $updateEmployeeId, first_name: $firstName,
last_name: $lastName, email: $email, gender: $gender, salary: $salary) {
    message
    error
    employee {
      email
      first_name
      gender
      id
      last_name
      salary
    }
  }
}
```

```
{
  "updateEmployeeId": "",
  "firstName": "Mukta",
  "lastName": "Patel",
  "email": "mukta01@gmail.com",
  "gender": "Female",
  "salary": 90000.00
}
```

```
{
  "data": {
    "updateEmployee": {
      "message": "Check! You didn't enter
an id to update you employee.",
      "error": null,
      "employee": null
    }
  }
}
```

Update Employee with the wrong id

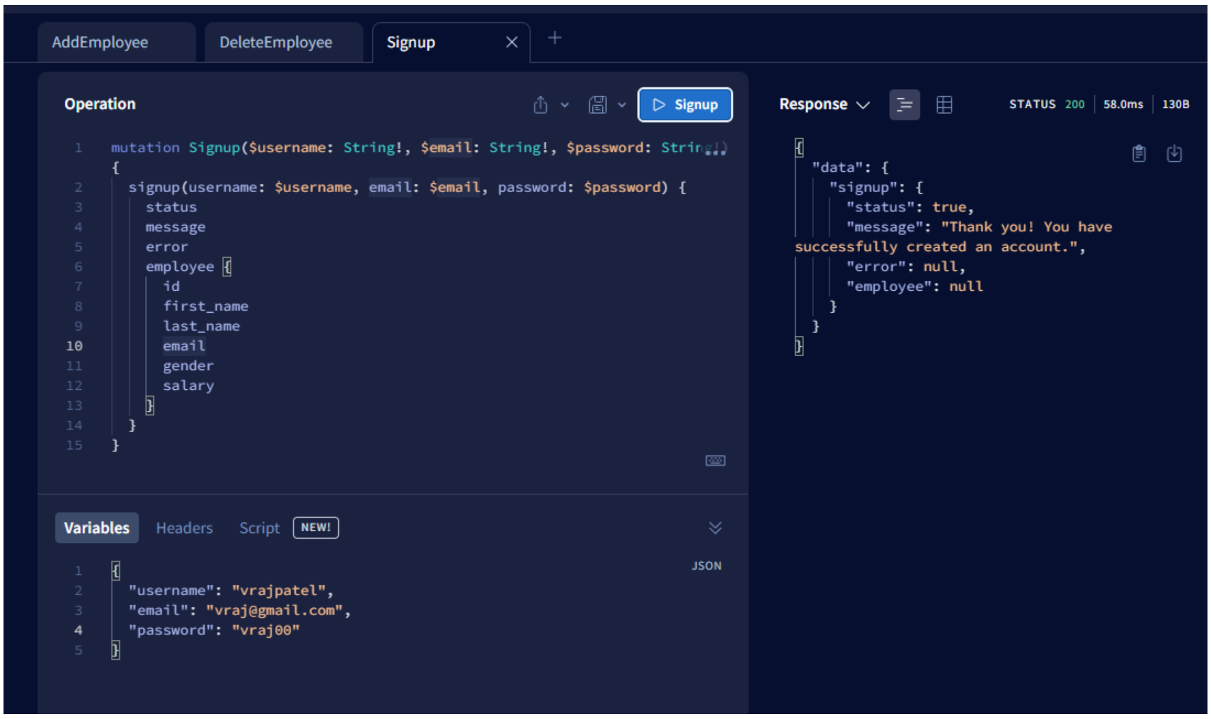


```
mutation UpdateEmployee($updateEmployeeId: ID!, $firstName: String!, $lastName: String!, $email: String!, $gender: String!, $salary: Float!) {
  updateEmployee(id: $updateEmployeeId, first_name: $firstName, last_name: $lastName, email: $email, gender: $gender, salary: $salary) {
    message
    error
    employee {
      email
      first_name
      gender
      id
      last_name
      salary
    }
  }
}
```

```
{
  "updateEmployeeId": "63f29dc37dfa6a85d7eabcc4",
  "firstName": "Mukta",
  "lastName": "Patel",
  "email": "mukta01@gmail.com",
  "gender": "Female",
  "salary": 90000.00
}
```

```
{
  "data": {
    "updateEmployee": {
      "message": "Sorry! There is no employee with the id you entered.",
      "error": null,
      "employee": null
    }
  }
}
```

Signup

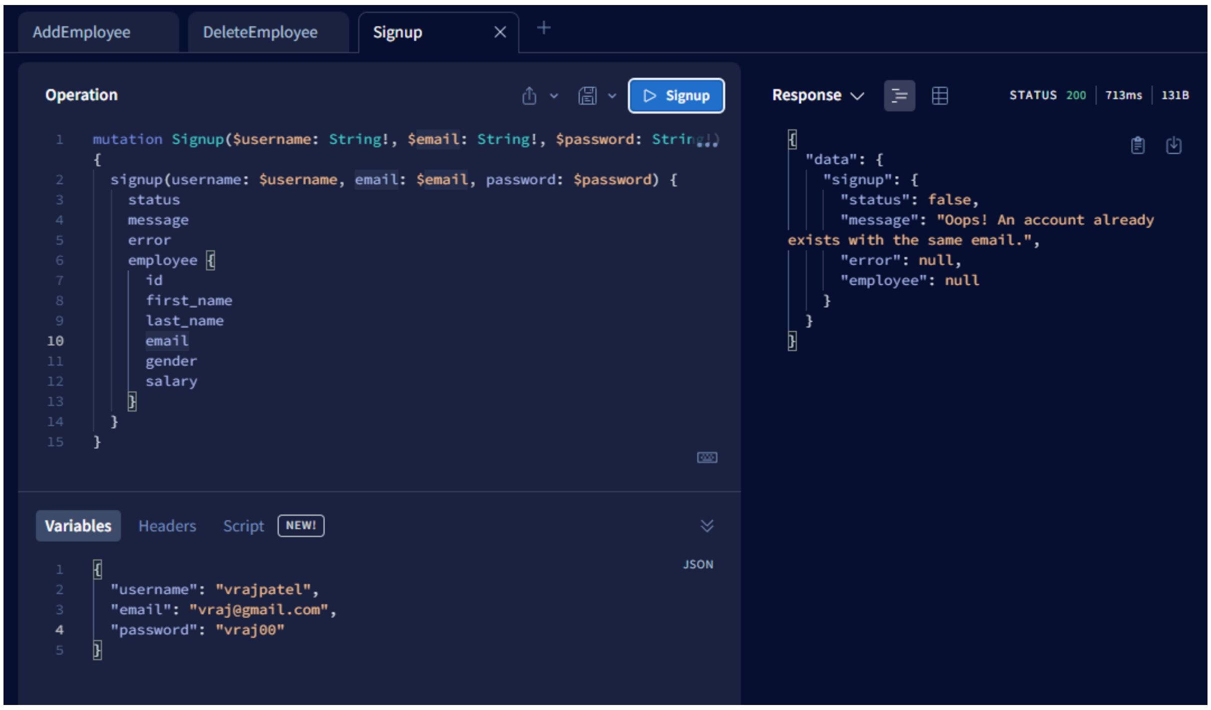


```
mutation Signup($username: String!, $email: String!, $password: Strin...
{
  signup(username: $username, email: $email, password: $password) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "username": "vrajpatel",
  "email": "vraj@gmail.com",
  "password": "vraj00"
}
```

```
{
  "data": {
    "signup": {
      "status": true,
      "message": "Thank you! You have successfully created an account.",
      "error": null,
      "employee": null
    }
  }
}
```

Signup with existing information

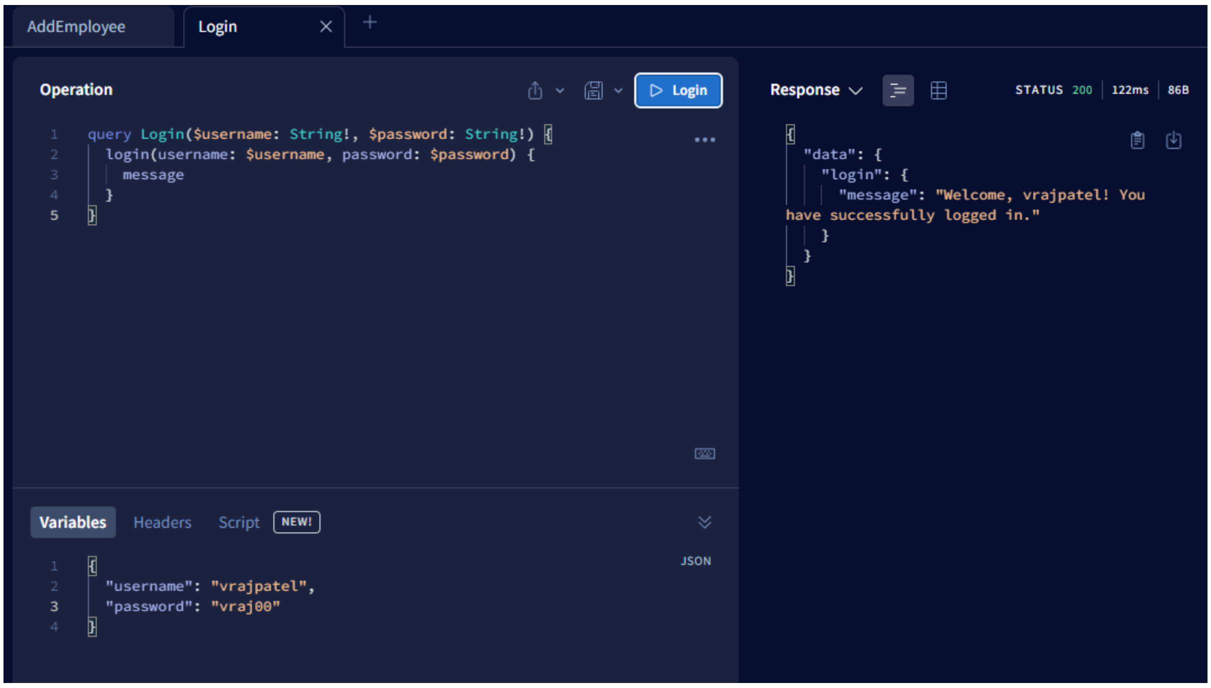


```
mutation Signup($username: String!, $email: String!, $password: Strin...
{
  signup(username: $username, email: $email, password: $password) {
    status
    message
    error
    employee {
      id
      first_name
      last_name
      email
      gender
      salary
    }
  }
}
```

```
{
  "data": {
    "signup": {
      "status": false,
      "message": "Oops! An account already
exists with the same email.",
      "error": null,
      "employee": null
    }
  }
}
```

```
{
  "username": "vrajpatel",
  "email": "vraj@gmail.com",
  "password": "vraj00"
}
```

Login

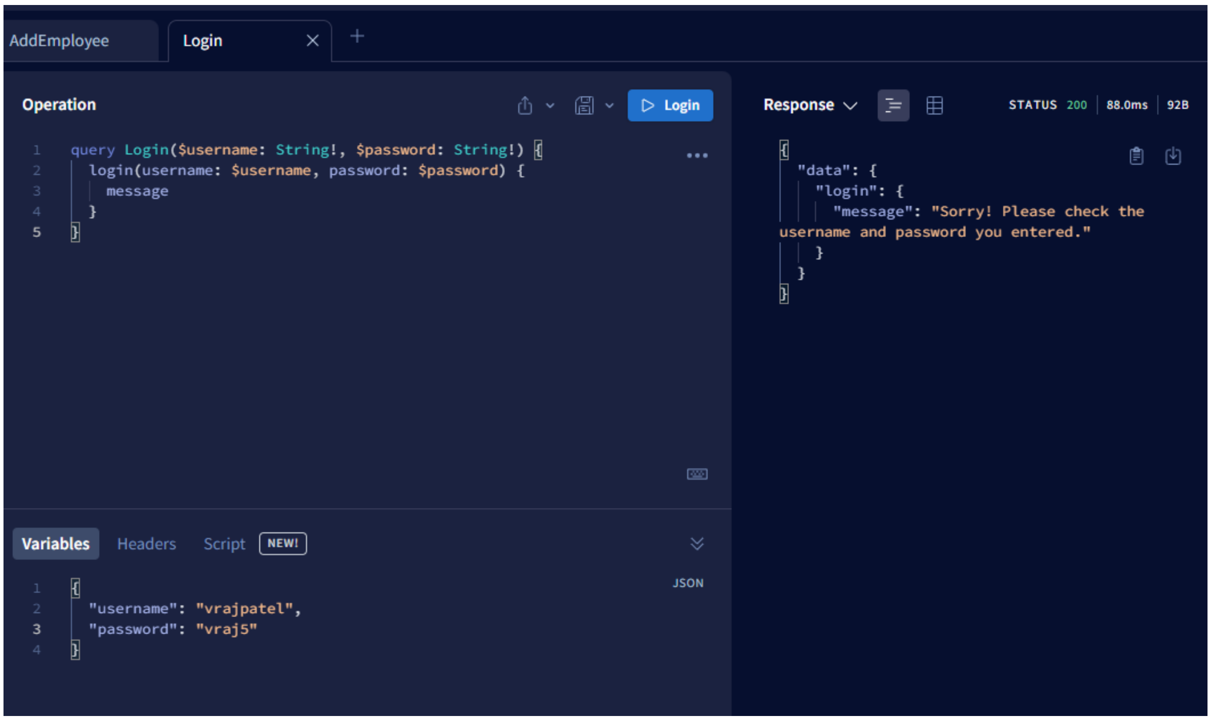


```
query Login($username: String!, $password: String!) {
  login(username: $username, password: $password) {
    message
  }
}
```

```
{
  "data": {
    "login": {
      "message": "Welcome, vrajpatel! You
have successfully logged in."
    }
  }
}
```

```
{
  "username": "vrajpatel",
  "password": "vraj00"
}
```

Login with an invalid password

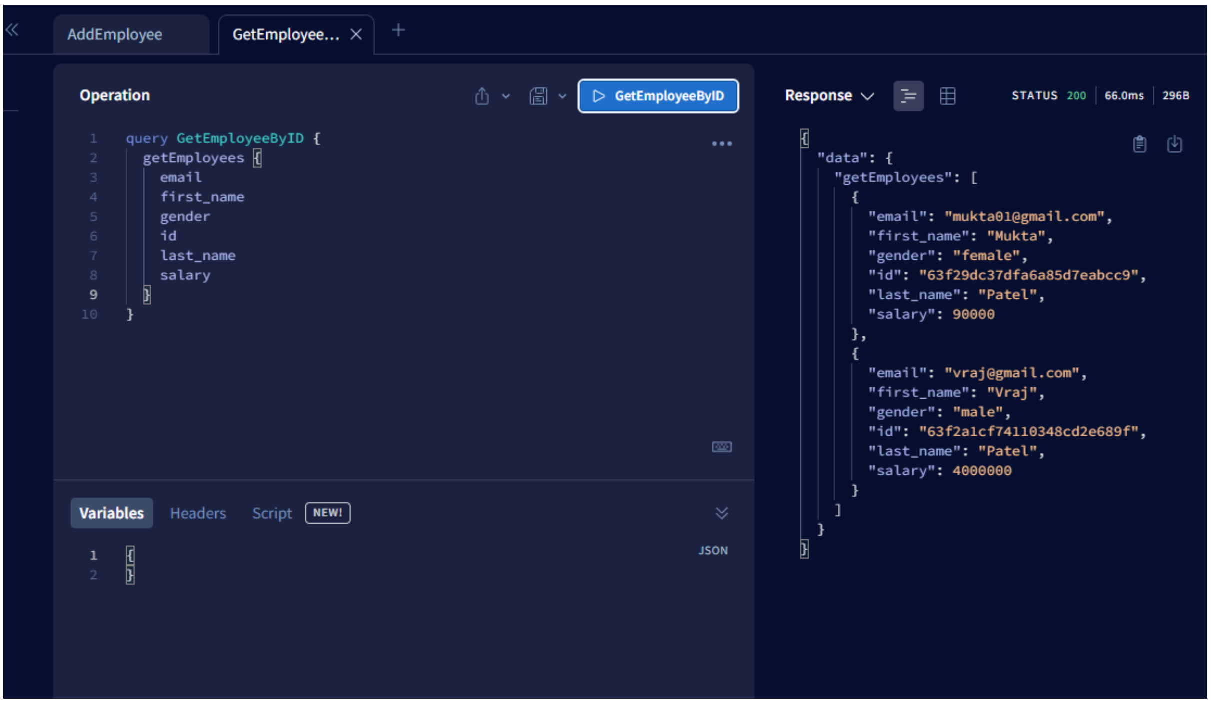


```
query Login($username: String!, $password: String!) {
  login(username: $username, password: $password) {
    message
  }
}
```

```
{
  "username": "vrajpatel",
  "password": "vraj5"
}
```

```
{
  "data": {
    "login": {
      "message": "Sorry! Please check the
username and password you entered."
    }
  }
}
```

All Employees

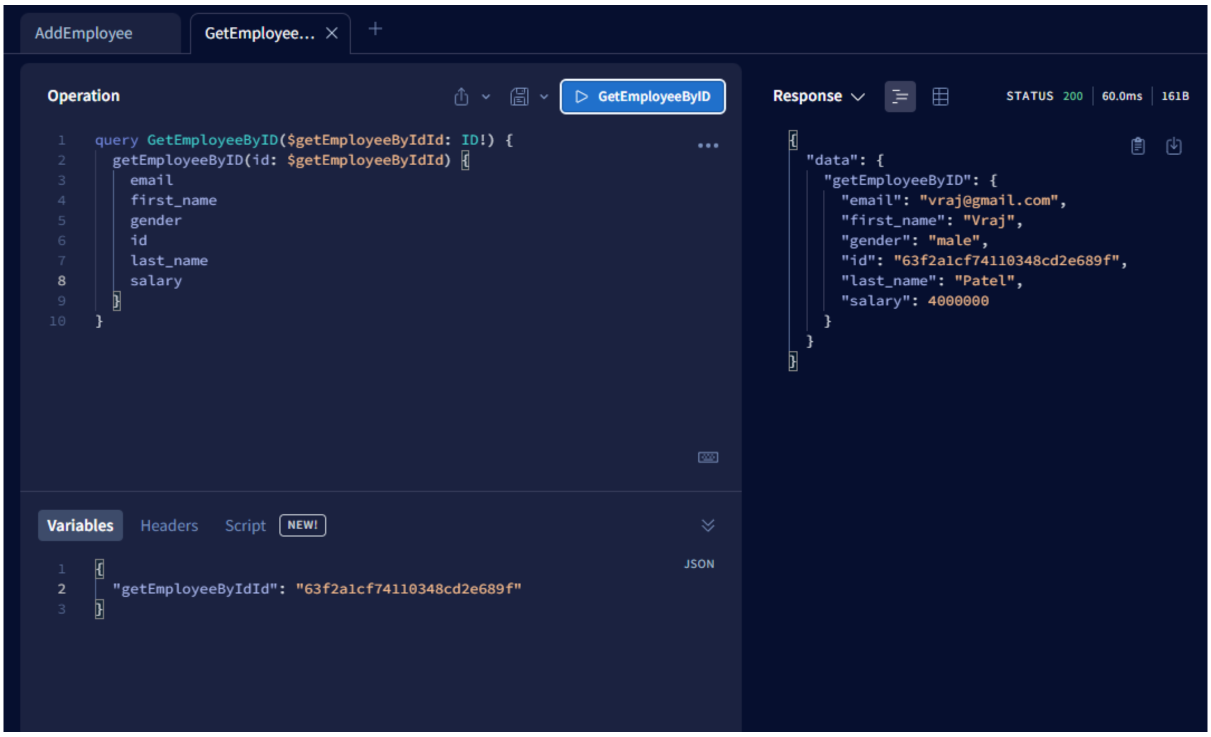


```
query GetEmployeeByID {
  getEmployees {
    email
    first_name
    gender
    id
    last_name
    salary
  }
}
```

```
{
}
```

```
{
  "data": {
    "getEmployees": [
      {
        "email": "mukta01@gmail.com",
        "first_name": "Mukta",
        "gender": "female",
        "id": "63f29dc37dfa6a85d7eabcc9",
        "last_name": "Patel",
        "salary": 90000
      },
      {
        "email": "vraj@gmail.com",
        "first_name": "Vraj",
        "gender": "male",
        "id": "63f2a1cf74110348cd2e689f",
        "last_name": "Patel",
        "salary": 4000000
      }
    ]
  }
}
```

Get Employees by ID

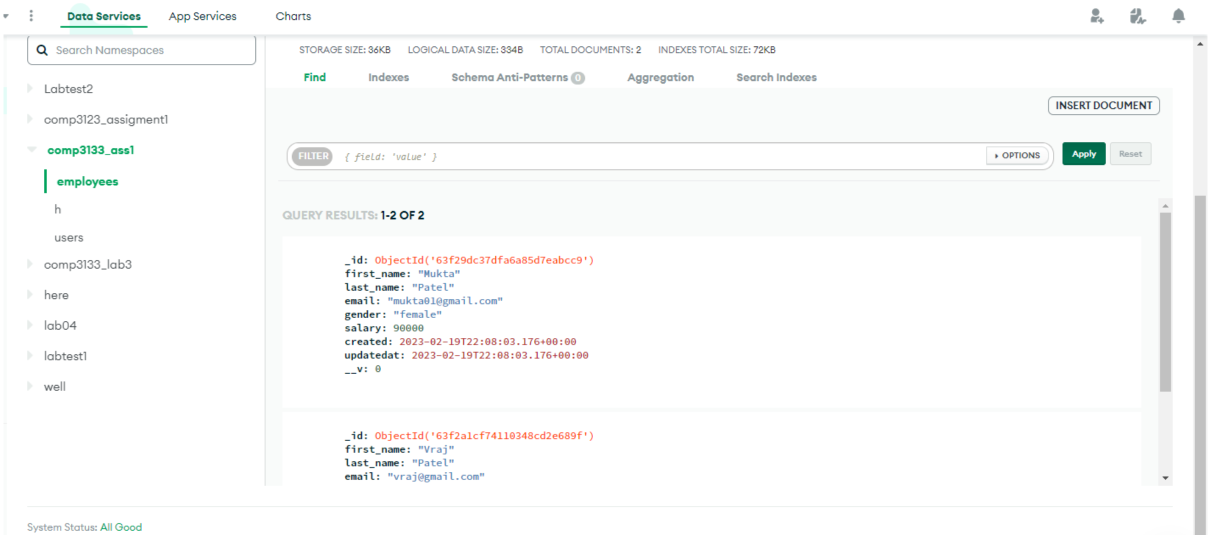


```
query GetEmployeeByID($getEmployeeByIdId: ID!) {
  getEmployeeByID(id: $getEmployeeByIdId) {
    email
    first_name
    gender
    id
    last_name
    salary
  }
}
```

```
{
  "getEmployeeByIdId": "63f2a1cf74110348cd2e689f"
}
```

```
{
  "data": {
    "getEmployeeByID": {
      "email": "vraj@gmail.com",
      "first_name": "Vraj",
      "gender": "male",
      "id": "63f2a1cf74110348cd2e689f",
      "last_name": "Patel",
      "salary": 4000000
    }
  }
}
```

MongoDB Employees



STORAGE SIZE: 36KB LOGICAL DATA SIZE: 334B TOTAL DOCUMENTS: 2 INDEXES TOTAL SIZE: 72KB

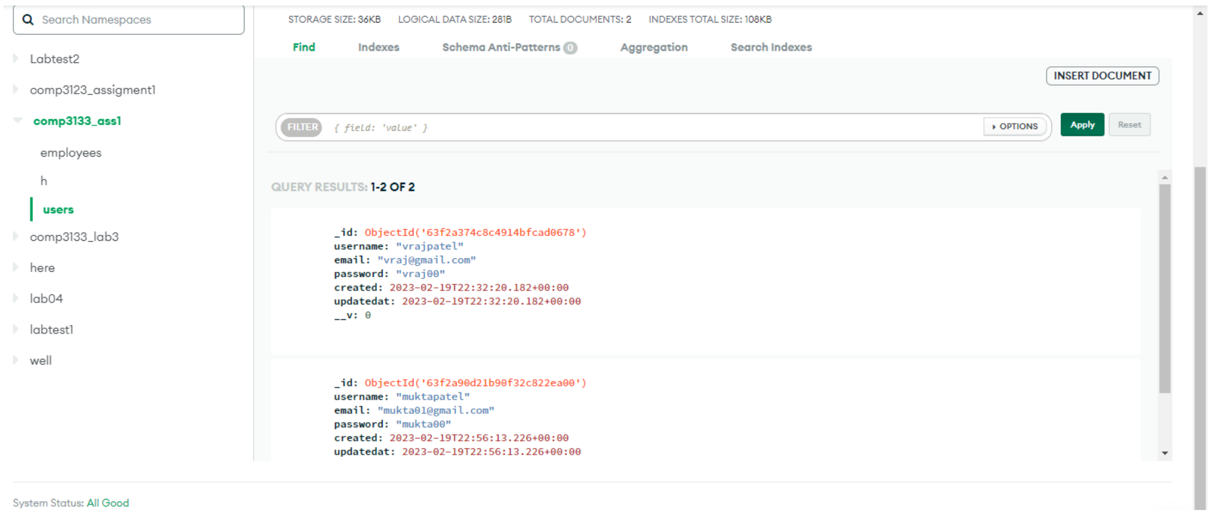
QUERY RESULTS: 1-2 OF 2

```
_id: ObjectId('63f29dc37dfa6a85d7eabcc9')
first_name: "Mukta"
last_name: "Patel"
email: "mukta01@gmail.com"
gender: "female"
salary: 90000
created: 2023-02-19T22:08:03.176+00:00
updatedat: 2023-02-19T22:08:03.176+00:00
__v: 0
```

```
_id: ObjectId('63f2a1cf74110348cd2e689f')
first_name: "Vraj"
last_name: "Patel"
email: "vraj@gmail.com"
```

System Status: All Good

MongoDB Users



```
{ field: 'value' }
```

QUERY RESULTS: 1-2 OF 2

```
_id: ObjectId('63f2a374c8c4914bfcad0678')
username: "vrajpatel"
email: "vraj@gmail.com"
password: "vraj00"
created: 2023-02-19T22:32:20.182+00:00
updatedat: 2023-02-19T22:32:20.182+00:00
__v: 0

_id: ObjectId('63f2a90d21b90f32c822ea00')
username: "muktapatel"
email: "mukta01@gmail.com"
password: "mukta00"
created: 2023-02-19T22:56:13.226+00:00
updatedat: 2023-02-19T22:56:13.226+00:00
```