

**APOLLO**

SANDBOX • http://localhost:4000/graphiql Publish

Documentation

Root > Query

Query (1)

Fields (1)

- categories: [Category!]!
- me: User
- orders: [Order!]!
- products: [Product!]!

Operation

```

1 query {
2   categories {
3     _id
4     name
5   }
6 }
7

```

Variables Headers Pre-Operation Script Post-Operation Script

Response 200 | 132ms | 554B

```

{
  "data": {
    "categories": [
      {
        "_id": "690b921842a204bbf0717f8d",
        "name": "Electronics"
      },
      {
        "_id": "690b921842a204bbf0717f8e",
        "name": "Clothing"
      },
      {
        "_id": "690b921842a204bbf0717f8f",
        "name": "Books"
      },
      {
        "_id": "690b921842a204bbf0717f90",
        "name": "Home Appliances"
      },
      {
        "_id": "690b921842a204bbf0717f91",
        "name": "Sports"
      },
      {
        "_id": "690b921842a204bbf0717f92",
        "name": "Toys"
      }
    ]
  }
}

```

+ Add files

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Documentation

Root > Query

Query (1)

Fields (1)

- categories: [Category!]!
- me: User
- orders: [Order!]!
- products: [Product!]!

Operation

```

1 query {
2   products {
3     id
4     name
5     price
6     category {
7       name
8     }
9   }
10

```

Variables Headers Pre-Operation Script Post-Operation Script

Response 200 | 186ms | 2.0KB

```

{
  "data": {
    "products": [
      {
        "id": "690b921842a204bbf0717f98",
        "name": "Phone",
        "price": 699,
        "category": {
          "name": "Electronics"
        }
      },
      {
        "id": "690b921842a204bbf0717f99",
        "name": "Laptop",
        "price": 1200,
        "category": {
          "name": "Electronics"
        }
      },
      {
        "id": "690b921842a204bbf0717f9a",
        "name": "Headphones",
        "price": 150,
        "category": {
          "name": "Electronics"
        }
      }
    ]
  }
}

```

+ Add files

**APOLLO**

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Documentation

Root > Query

Query (1)

Fields (1)

- categories: [Category!]!
- me: User
- orders: [Order!]!
- products: [Product!]!

Operation

```

1 mutation {
2   login(email: "admin@example.com", password: "admin123") {
3     _id
4     username
5     token
6     role
7   }
8

```

Variables Headers Pre-Operation Script Post-Operation Script

Response 200 | 486ms | 290B

```

{
  "data": {
    "login": {
      "_id": "690b921842a204bbf0717f8b",
      "username": "admin",
      "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZC16Ijy5MG15MjE4NDJhMjA0YmJmMDcxN2Y4YiIsInJvbGUiOiJhZGpbilsImldcI6MtC2MjM2NjEyNiwiZXhwIjoxNzY0Tcw0T12fQ.BrRU0oOnYX_ztU3qQ2dmih9EhqddG8VkyQTrxT0mySs",
      "role": "admin"
    }
  }
}

```

+ Add files

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Schema Explorer Schema Diff Checks

Documentation Root > Query

Query

Fields ↓ +

- + categories: [Category!]!
- + me: User
- + orders: [Order!]!
- + products: [Product!]!

Operation

```
1 mutation {  
2   createCategory(name: "Gaming") {  
3     _id  
4     name  
5   }  
6 }
```

Response 200 | 130ms | 798

```
{  
  "data": {  
    "createCategory": {  
      "_id": "690b930ac9cb18be14eeeca3",  
      "name": "Gaming"  
    }  
  }  
}
```

Variables Headers Pre-Operation Script Post-Operation Script

New header Set shared headers

COLLAPSE https://studio.apollographql.com/sandbox/diff

This screenshot shows the Apollo Studio interface with a successful GraphQL mutation. The operation creates a new category with the name 'Gaming'. The response includes the created category's ID and name.

**APOLLO**

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Schema Explorer Schema Diff Checks

Documentation Root > Query

Query

Fields ↓ +

- + categories: [Category!]!
- + me: User
- + orders: [Order!]!
- + products: [Product!]!

Operation

```
1 mutation {  
2   createProduct(  
3     name: "PS5"  
4     description: "PlayStation 5 Console"  
5     price: 500  
6     categoryId: "690b930ac9cb18be14eeeca3"  
7   ) {  
8     _id  
9     name  
10    price  
11    category {  
12      name  
13    }  
14  }  
15 }
```

Response 200 | 84.0ms | 1168

```
{  
  "data": {  
    "createProduct": {  
      "_id": "690b9386c9cb18be14eeccb6",  
      "name": "PS5",  
      "price": 500,  
      "category": {  
        "name": "Gaming"  
      }  
    }  
  }  
}
```

Variables Headers Pre-Operation Script Post-Operation Script

New header Set shared headers

COLLAPSE

This screenshot shows the Apollo Studio interface with a successful GraphQL mutation. The operation creates a new product named 'PS5' with a price of 500. The response includes the created product's ID, name, and its associated category 'Gaming'.

**APOLLO**

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Schema Explorer Schema Diff Checks

Documentation Root > Query

Query

Fields ↓ +

- + categories: [Category!]!
- + me: User
- + orders: [Order!]!
- + products: [Product!]!

Operation

```
1 mutation {  
2   register(username: "john", email: "john@test.com", password: "123456") {  
3     _id  
4     username  
5     token  
6     role  
7   }  
8 }
```

Response 200 | 348ms | 2998

```
{  
  "data": {  
    "register": {  
      "_id": "690b939cc9cb18be14eeecbd",  
      "username": "john",  
      "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZC16Ijy5MG15MzIjYzljYjE4YmIxNGVlZWNIcISInJvbGUoIjoidXNob21cIisImh0Cf6TC2MjM2NjM2NCwiZXhwIjoxNzY0TcMTY0fq.GQtpOREf61_FHwxFcXCEgfnxzDK-Wch6pknEQccCvQ8",  
      "role": "customer"  
    }  
  }  
}
```

Variables Headers Pre-Operation Script Post-Operation Script

New header Set shared headers

COLLAPSE

This screenshot shows the Apollo Studio interface with a successful GraphQL mutation. The operation registers a new user with the username 'john' and password '123456'. The response includes the registered user's ID, token, and role 'customer'.

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Documentation

Root > Query

Query \*

Fields \* \*

- categories: [Category]!
- me: User
- orders: [Order!]!
- products: [Product!]!

Operation

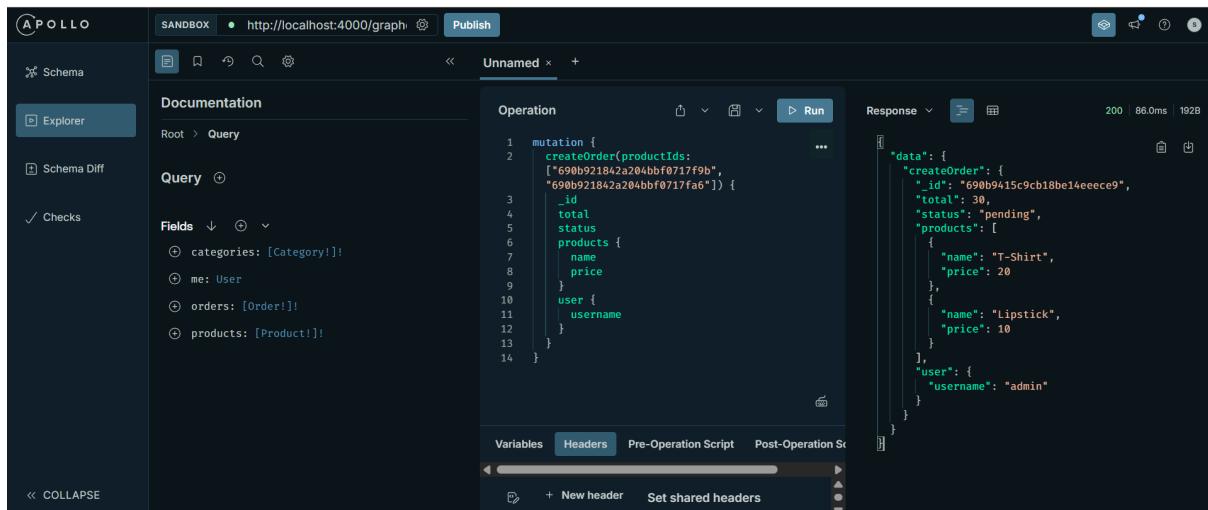
```
1 mutation {  
2   createOrder(productId:  
3     ["690b921842a204bbf0717f9b",  
4      "690b921842a204bbf0717fa6"] {  
5     _id  
6     total  
7     status  
8     products {  
9       name  
10      price  
11     }  
12     user {  
13       username  
14     }  
15   }  
16 }
```

Variables Headers Pre-Operation Script Post-Operation Script

Response 200 | 86.0ms | 192B

```
{  
  "data": {  
    "createOrder": {  
      "_id": "690b9415c9cb18be14eeece9",  
      "total": 30,  
      "status": "pending",  
      "products": [  
        {  
          "name": "T-Shirt",  
          "price": 20  
        },  
        {  
          "name": "Lipstick",  
          "price": 10  
        }  
      ],  
      "user": {  
        "username": "admin"  
      }  
    }  
  }  
}
```

COLLAPSE



**APOLLO**

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Documentation

Root > Query

Query \*

Fields \* \*

- categories: [Category]!
- me: User
- orders: [Order!]!
- products: [Product!]!

Operation

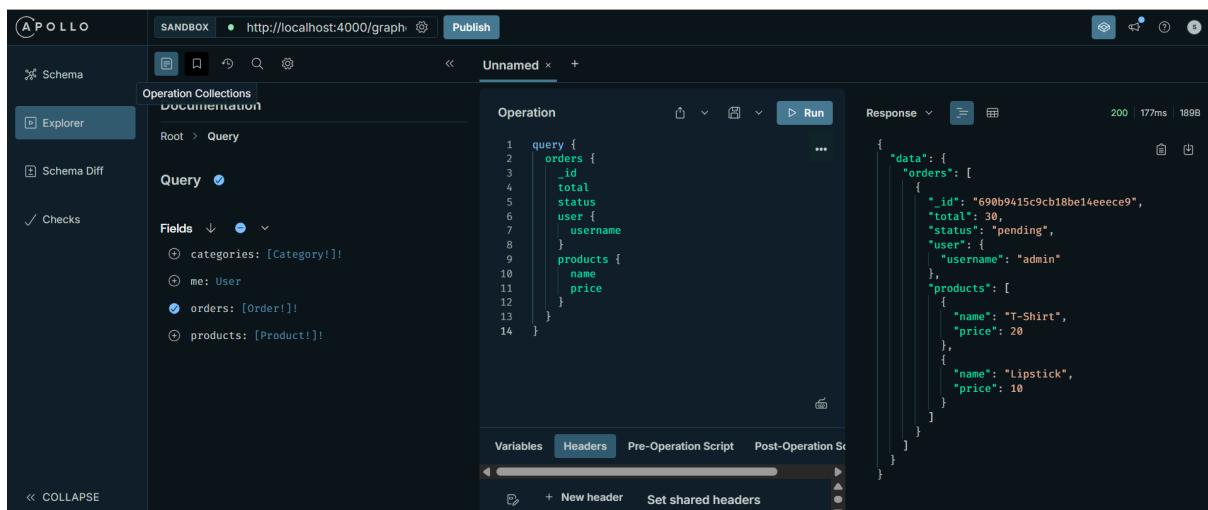
```
1 query {  
2   orders {  
3     _id  
4     total  
5     status  
6     user {  
7       username  
8     }  
9     products {  
10       name  
11       price  
12     }  
13   }  
14 }
```

Variables Headers Pre-Operation Script Post-Operation Script

Response 200 | 177ms | 189B

```
{  
  "data": {  
    "orders": [  
      {  
        "_id": "690b9415c9cb18be14eeece9",  
        "total": 30,  
        "status": "pending",  
        "user": {  
          "username": "admin"  
        },  
        "products": [  
          {  
            "name": "T-Shirt",  
            "price": 20  
          },  
          {  
            "name": "Lipstick",  
            "price": 10  
          }  
        ]  
      }  
    ]  
  }  
}
```

COLLAPSE



**APOLLO**

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Documentation

Root > Query

Query \*

Fields \* \*

- categories: [Category]!
- me: User
- orders: [Order!]!
- products: [Product!]!

Operation

```
1 query {  
2   me {  
3     _id  
4     username  
5     email  
6     role  
7   }  
8 }
```

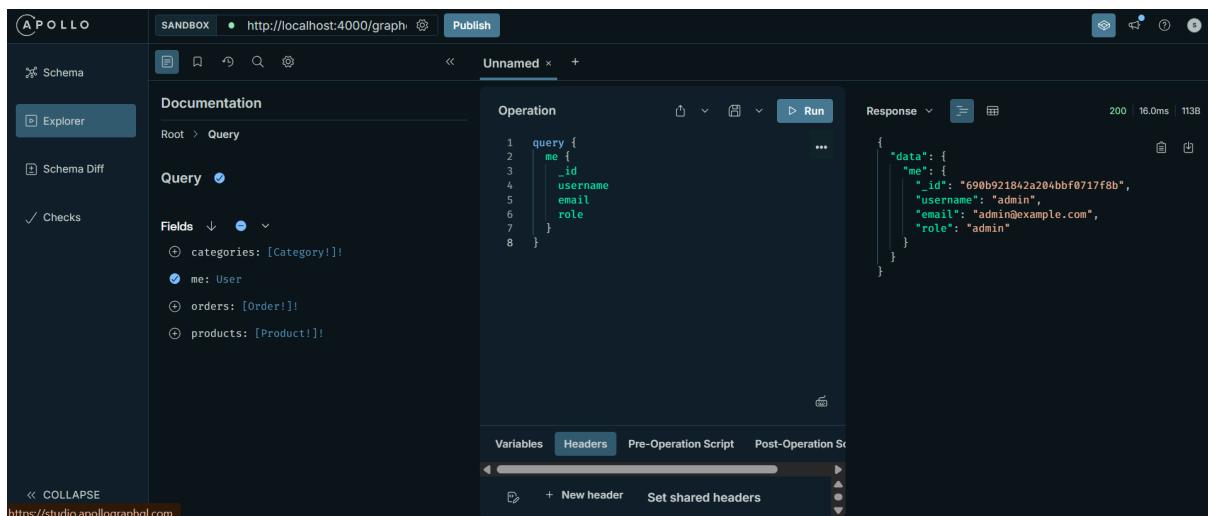
Variables Headers Pre-Operation Script Post-Operation Script

Response 200 | 16.0ms | 113B

```
{  
  "data": {  
    "me": {  
      "_id": "690b921842a204bbf0717f8b",  
      "username": "admin",  
      "email": "admin@example.com",  
      "role": "admin"  
    }  
  }  
}
```

COLLAPSE

<https://studio.apollographql.com>



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Documentation

Root > Query

Query \*

Fields \* ▼

- ④ categories: [Category!]!
- ④ me: User
- ④ orders: [Order!]!
- ⑤ products(\_): [Product!]!

Operation

```
1 query {  
2   products(  
3     filter: { minPrice: 20 }  
4     sortField: PRICE  
5     sortOrder: ASC  
6     limit: 5  
7     skip: 0  
8   ) {  
9     _id  
10    name  
11    price  
12    category {  
13      name  
14    }  
15  }  
16 }
```

Variables Headers Pre-Operation Script Post-Operation Script + Add files

Response 200 | 38.0ms | 485B

```
{  
  "data": {  
    "products": [  
      {  
        "_id": "690b967689f469761ad0dab8",  
        "name": "Face Cream",  
        "price": 20,  
        "category": {  
          "name": "Beauty"  
        }  
      },  
      {  
        "_id": "690b967689f469761ad0daac",  
        "name": "T-Shirt",  
        "price": 20,  
        "category": {  
          "name": "Clothing"  
        }  
      },  
      {  
        "_id": "690b967689f469761ad0dab0",  
        "name": "Cookbook",  
        "price": 25,  
        "category": {  
          "name": "Books"  
        }  
      }  
    ]  
  }  
}
```

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Documentation

Root > Query

Query \*

Fields \* ▼

- ④ categories: [Category!]!
- ④ me: User
- ④ orders: [Order!]!
- ⑤ products(\_): [Product!]!

Operation

```
1 query {  
2   products(  
3     filter: { minPrice: 20 }  
4     sortField: PRICE  
5     sortOrder: ASC  
6     limit: 5  
7     skip: 0  
8   ) {  
9     _id  
10    name  
11    price  
12    category {  
13      name  
14    }  
15  }  
16 }
```

Variables Headers Pre-Operation Script Post-Operation Script + Add files

Response 200 | 109ms | 485B

```
{  
  "data": {  
    "products": [  
      {  
        "_id": "690b967689f469761ad0dab8",  
        "name": "Face Cream",  
        "price": 20,  
        "category": {  
          "name": "Beauty"  
        }  
      },  
      {  
        "_id": "690b967689f469761ad0daac",  
        "name": "T-Shirt",  
        "price": 20,  
        "category": {  
          "name": "Clothing"  
        }  
      },  
      {  
        "_id": "690b967689f469761ad0dab0",  
        "name": "Cookbook",  
        "price": 25,  
        "category": {  
          "name": "Books"  
        }  
      }  
    ]  
  }  
}
```

**APOLLO**

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Documentation

Root > Query

Query \*

Fields \* ▼

- ④ categories: [Category!]!
- ④ me: User
- ④ orders: [Order!]!
- ⑤ products(\_): [Product!]!

Operation

```
1 query {  
2   products(  
3     filter: { minPrice: 20 }  
4     sortField: PRICE  
5     sortOrder: ASC  
6     limit: 5  
7     skip: 0  
8   ) {  
9     _id  
10    name  
11    price  
12    category {  
13      name  
14    }  
15  }  
16 }
```

Variables Headers Pre-Operation Script Post-Operation Script + Add files

Response 200 | 22.0ms | 485B

```
{  
  "data": {  
    "products": [  
      {  
        "_id": "690b967689f469761ad0dab8",  
        "name": "Face Cream",  
        "price": 20,  
        "category": {  
          "name": "Beauty"  
        }  
      },  
      {  
        "_id": "690b967689f469761ad0daac",  
        "name": "T-Shirt",  
        "price": 20,  
        "category": {  
          "name": "Clothing"  
        }  
      },  
      {  
        "_id": "690b967689f469761ad0dab0",  
        "name": "Cookbook",  
        "price": 25,  
        "category": {  
          "name": "Books"  
        }  
      }  
    ]  
  }  
}
```

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Schema    Explorer    Schema Diff    Checks

Documentation    Root > Query

Query

Fields

- categories: [Category!]!
- me: User
- orders: [Order!]!
- products(\_): [Product!]!

```

1 query {
2   products(
3     filter: { categoryIds:
4       [ "690b967689f469761ad0da9e" ]
5     }
6   ) {
7     _id
8     name
9     price
10    category {
11      name
12    }
13  }
14}

```

Variables    Headers    Pre-Operation Script    Post-Operation Script

+ Add files

Response    200 83.0ms 319B

```

{
  "data": {
    "products": [
      {
        "_id": "690b967689f469761ad0da9",
        "name": "Phone",
        "price": 699,
        "category": {
          "name": "Electronics"
        }
      },
      {
        "_id": "690b967689f469761ad0daaa",
        "name": "Laptop",
        "price": 1200,
        "category": {
          "name": "Electronics"
        }
      },
      {
        "_id": "690b967689f469761ad0daab",
        "name": "Headphones",
        "price": 150,
        "category": {
          "name": "Electronics"
        }
      }
    ]
  }
}

```

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Schema    Explorer    Schema Diff    Checks

Documentation    Root > Query

Query

Fields

- categories: [Category!]!
- me: User
- orders: [Order!]!
- products(\_): [Product!]!

```

1 query {
2   categories {
3     _id
4     name
5   }
6 }

```

Variables    Headers    Pre-Operation Script    Post-Operation Script

+ Add files

Response    200 21.0ms 554B

```

{
  "data": {
    "categories": [
      {
        "_id": "690b967689f469761ad0da9e",
        "name": "Electronics"
      },
      {
        "_id": "690b967689f469761ad0da9f",
        "name": "Clothing"
      },
      {
        "_id": "690b967689f469761ad0daa0",
        "name": "Books"
      },
      {
        "_id": "690b967689f469761ad0daa1",
        "name": "Home Appliances"
      },
      {
        "_id": "690b967689f469761ad0daa2",
        "name": "Sports"
      },
      {
        "_id": "690b967689f469761ad0daa3",
        "name": "Toys"
      },
      {
        "_id": "690b967689f469761ad0daa4",
        "name": "Beauty"
      },
      {
        "_id": "690b967689f469761ad0daa5",
        "name": "Shoes"
      },
      {
        "_id": "690b967689f469761ad0daa6",
        "name": "Furniture"
      },
      {
        "_id": "690b967689f469761ad0daa7",
        "name": "Groceries"
      }
    ]
  }
}

```

**APOLLO**    SANDBOX • http://localhost:5000/graphiql    Publish

Schema    Explorer    Schema Diff    Checks

Documentation    Root > Query

Query

Fields

- categories: [Category!]!
- me: User
- orders: [Order!]!
- products(\_): [Product!]!

```

1 mutation {
2   signup(username: "shruti", email:
3     "shruti@example.com", password: "123456") {
4     token
5     user {
6       _id
7       username
8       email
9     }
10  }
11}

```

Variables    Headers    Pre-Operation Script    Post-Operation Script

+ Add files

Response    200 156ms 335B

```

{
  "data": {
    "signup": {
      "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJpZC16IjY5MG15ZW1mQ3MGE5MjE4YzBmZTgzYyIsImVtYWlsIjoioc2hyXR0QGVAYW1wbGUuZ9tiwiicm9sZS16ImN1c3RvbWVyIiwiWF0ijoxNzYyMzY5MjA2fQ.5gnPKWYiatoa8SVWuLq45kfDMLekJ442YSeqHQDZju",
      "user": {
        "_id": "690b9652d70a9218c0fe83c",
        "username": "shruti",
        "email": "shruti@example.com"
      }
    }
  }
}

```

**APOLLO**

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Schema Explorer Schema Diff Checks < COLLAPSE

Documentation Operation Response

Root > Query

Query

Fields ↓

- ① categories: [Category]!
- ② me: User
- ③ orders: [Order!]!
- ④ products(\_): [Product!]!

Variables Headers Pre-Operation Script Post-Operation Script

Run

```
1 mutation {  
2   login(email: "shruti@example.com", password: "123456") {  
3     token  
4     user {  
5       _id  
6       username  
7       email  
8     }  
9   }  
10 }  
11
```

{  
 "data": {  
 "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.  
 eyJpZC16Ijy5MG15ZW1lMnQ3MG5MjE4YzBmZTgzYyIs  
 ImVtYWlsIjoioc2hydXR0QGV4YW1wbgUvZ9tiwiicm9s  
 ZS16ImN1c3RvbWwyIiwiawF0IjoxNzYyMz5Mj10fQ,  
 S93EuqMCB3UDk0CPj3fjfFEOn-slwPzstRd7ki\_zAOm"  
 },  
 "user": {  
 "\_id": "690ba9eb52d70a9218c0fe83c",  
 "username": "shruti",  
 "email": "shruti@example.com"  
 }  
}

+ Add files

**APOLLO**

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Schema Explorer Schema Diff Checks < COLLAPSE

Documentation Operation Response

Root > Query

Query

Fields ↓

- ① orders: [Order!]!
- ② products(\_): [Product!]!

Variables Headers Pre-Operation Script Post-Operation Script

Run

```
1 query {  
2   products(filter: { minPrice: 10 }, limit: 1) {  
3     _id  
4     name  
5     price  
6     inStock  
7     category { name }  
8   }  
9 }
```

1 JSON

+ Add files

200 | 44.0ms | 497B

```
{  
  "data": {  
    "products": [  
      {  
        "_id": "690ba756bee2c8ce2df47c8b",  
        "name": "Phone",  
        "price": 699,  
        "inStock": true,  
        "category": null  
      },  
      {  
        "_id": "690ba756bee2c8ce2df47c8c",  
        "name": "Laptop",  
        "price": 1200,  
        "inStock": true,  
        "category": null  
      },  
      {  
        "_id": "690ba756bee2c8ce2df47c8d",  
        "name": "Headphones",  
        "price": 150,  
        "inStock": true,  
        "category": null  
      },  
      {  
        "_id": "690ba756bee2c8ce2df47c8e",  
        "name": "T-Shirt"  
      }  
    ]  
  }  
}
```