

Curl Commands examples

1. Get All Instruments

Purpose: Retrieves a list of all available trading instruments (e.g., stocks, ETFs).

Command: `curl -X GET http://127.0.0.1:8000/api/v1/instruments/`

output:

```
C:\Users\alms>curl -X GET http://127.0.0.1:8000/api/v1/instruments/
[{"symbol": "AAPL", "exchange": "NASDAQ", "instrumentType": "EQUITY", "lastTradedPrice": 180.0}, {"symbol": "GOOGL", "exchange": "NASDAQ", "instrumentType": "EQUITY", "lastTradedPrice": 2700.0}, {"symbol": "NIFTY21JULFUT", "exchange": "NSE", "instrumentType": "FUTURE", "lastTradedPrice": 18000.0}]
```

2. Place Market BUY Order

Purpose: Buy 5 shares of AAPL at market price

Command: `curl -X POST "http://127.0.0.1:8000/api/v1/orders/" -H "Content-Type: application/json" -d`

`{"symbol": "AAPL", "orderType": "BUY", "orderStyle": "MARKET", "quantity": 5}`

Output:

```
C:\Users\alms>curl -X POST "http://127.0.0.1:8000/api/v1/orders/" -H "Content-Type: application/json" -d {"symbol": "AAPL", "orderType": "BUY", "orderStyle": "MARKET", "quantity": 5}
{"id": "857132e0-c179-453a-b72f-3920cdb20517", "symbol": "AAPL", "orderType": "BUY", "orderStyle": "MARKET", "quantity": 5, "price": 180.0, "status": "EXECUTED", "timestamp": "2026-01-09T00:45:27.376558"}
```

3. Place Limit SELL Order

Purpose: Sell 2 shares of AAPL at limit price 200

Command: `curl -X POST "http://127.0.0.1:8000/api/v1/orders/" -H "Content-Type: application/json" -d`

`{"symbol": "AAPL", "orderType": "SELL", "orderStyle": "LIMIT", "quantity": 2, "price": 200}`

Output:

```
C:\Users\alms>curl -X POST "http://127.0.0.1:8000/api/v1/orders/" -H "Content-Type: application/json" -d {"symbol": "AAPL", "orderType": "SELL", "orderStyle": "LIMIT", "quantity": 2, "price": 200}
{"id": "a6f4aef8-0830-45ee-b0a2-15f149e8790f", "symbol": "AAPL", "orderType": "SELL", "orderStyle": "LIMIT", "quantity": 2, "price": 200.0, "status": "PLACED", "timestamp": "2026-01-09T00:47:56.461473"}
```

4. Get Trades

Purpose: Fetch all executed trades

Command: `curl -X GET http://127.0.0.1:8000/api/v1/trades/`

Output:

```
C:\Users\alms>curl -X GET "http://127.0.0.1:8000/api/v1/trades/"
[{"id": "b7dd45f2-0fb1-4708-89d5-71e7d72112d1", "orderId": "b7dd45f2-0fb1-4708-89d5-71e7d72112d1", "symbol": "AAPL", "quantity": 5, "price": 180.0, "timestamp": "2026-01-08T23:08:43.521263"}, {"id": "30d24f87-2faf-4d93-8d80-14356c6d05f4", "orderId": "30d24f87-2faf-4d93-8d80-14356c6d05f4", "symbol": "AAPL", "quantity": 5, "price": 180.0, "timestamp": "2026-01-09T00:22:36.620118"}, {"id": "857132e0-c179-453a-b72f-3920cdb20517", "orderId": "857132e0-c179-453a-b72f-3920cdb20517", "symbol": "AAPL", "quantity": 5, "price": 180.0, "timestamp": "2026-01-09T00:45:27.376558"}]
```

5. Get Portfolio

Purpose: View current portfolio holdings

Command: `curl -X GET "http://127.0.0.1:8000/api/v1/portfolio/"`

Output:

```
C:\Users\alms>curl -X GET "http://127.0.0.1:8000/api/v1/portfolio/"
[{"symbol": "AAPL", "quantity": 15, "averagePrice": 180.0, "currentValue": 2700.0}]
```

6. Error Case – Limit Order Missing Price

Purpose: Test validation error for LIMIT order without price

Command: `curl -X POST "http://127.0.0.1:8000/api/v1/orders/" -H "Content-Type: application/json" -d '{"symbol": "AAPL", "orderType": "SELL", "orderStyle": "LIMIT", "quantity": 2}'`

Output:

```
C:\Users\alms>curl -X POST "http://127.0.0.1:8000/api/v1/orders/" -H "Content-Type: application/json" -d '{"symbol": "AAPL", "orderType": "SELL", "orderStyle": "LIMIT", "quantity": 2}'
{"detail": "Price must be provided and > 0 for LIMIT orders."}
```