

DISTRIBUTED DATABASE INSERTION REPORT

EXECUTIVE SUMMARY

Parameter	Value
Total Threads Used	10
Execution Time	3.05 seconds
Total Successful Insertions	25
Total Failed Insertions	5
Success Rate	83.3%

USERS TABLE (users.db)

Thread	Status	User Details	Result/Error
UserThread-1	SUCCESS	ID: 1 Name: User1 Email: user1@example.com	User 'User1' created successfully
UserThread-2	SUCCESS	ID: 2 Name: User2 Email: user2@example.com	User 'User2' created successfully
UserThread-3	SUCCESS	ID: 3 Name: User3 Email: user3@example.com	User 'User3' created successfully
UserThread-4	SUCCESS	ID: 4 Name: User4 Email: user4@example.com	User 'User4' created successfully
UserThread-6	SUCCESS	ID: 6 Name: User6 Email: user6@example.com	User 'User6' created successfully
UserThread-7	SUCCESS	ID: 7 Name: User7 Email: user7@example.com	User 'User7' created successfully
UserThread-8	SUCCESS	ID: 8 Name: User8 Email: user1@example.com	User 'User8' created successfully
UserThread-9	SUCCESS	ID: 9 Name: User9 Email: user9@example.com	User 'User9' created successfully
UserThread-10	SUCCESS	ID: 10 Name: User10 Email: user10@example.com	User 'User10' created successfully
UserThread-5	FAILED	ID: 5 Name: Email: user5@example.com	User validation errors: Name cannot be empty

PRODUCTS TABLE (products.db)

Thread	Status	Product Details	Result/Error
ProductThread-1	SUCCESS	ID: 1 Name: Product1 Price: \$60.00	✓ Product 'Product1' created successfully
ProductThread-2	SUCCESS	ID: 2 Name: Product2 Price: \$70.00	✓ Product 'Product2' created successfully
ProductThread-4	SUCCESS	ID: 4 Name: Product4 Price: \$90.00	✓ Product 'Product4' created successfully

ProductThread-5	SUCCESS	ID: 5 Name: Product5 Price: \$100.00	✓ Product 'Product5' created successfully
ProductThread-6	SUCCESS	ID: 6 Name: Product6 Price: \$110.00	✓ Product 'Product6' created successfully
ProductThread-8	SUCCESS	ID: 8 Name: Product8 Price: \$130.00	✓ Product 'Product8' created successfully
ProductThread-9	SUCCESS	ID: 9 Name: Product9 Price: \$140.00	✓ Product 'Product9' created successfully
ProductThread-10	SUCCESS	ID: 10 Name: Product10 Price: \$150.00	✓ Product 'Product10' created successfully
ProductThread-3	FAILED	ID: 3 Name: Product3 Price: \$-50.00	✗ Product validation errors: Price cannot be negative: -50.00
ProductThread-7	FAILED	ID: 7 Name: Price: \$100.00	✗ Product validation errors: Product name cannot be empty

ORDERS TABLE (orders.db)

Thread	Status	Order Details	Result/Error
OrderThread-1	SUCCESS	ID: 1 User ID: 1 Product ID: 1 Quantity: 1	✓ Order created successfully
OrderThread-3	SUCCESS	ID: 3 User ID: 3 Product ID: 3 Quantity: 1	✓ Order created successfully
OrderThread-4	SUCCESS	ID: 4 User ID: 4 Product ID: 4 Quantity: 1	✓ Order created successfully
OrderThread-5	SUCCESS	ID: 5 User ID: 5 Product ID: 5 Quantity: 1	✓ Order created successfully
OrderThread-7	SUCCESS	ID: 7 User ID: 7 Product ID: 7 Quantity: 1	✓ Order created successfully
OrderThread-8	SUCCESS	ID: 8 User ID: 8 Product ID: 8 Quantity: 1	✓ Order created successfully
OrderThread-9	SUCCESS	ID: 9 User ID: 999 Product ID: 9 Quantity: 2	✓ Order created successfully
OrderThread-10	SUCCESS	ID: 10 User ID: 10 Product ID: 10 Quantity: 1	✓ Order created successfully
OrderThread-2	FAILED	ID: 2 User ID: 2 Product ID: 2 Quantity: 0	✗ Order validation errors: Quantity must be positive: 0
OrderThread-6	FAILED	ID: 6 User ID: 6 Product ID: 6 Quantity: -1	✗ Order validation errors: Quantity must be positive: -1

DETAILED ANALYSIS

Database	Successful	Failed	Success Rate	Common Issues
Users	9	1	90.0%	Empty names, Invalid emails
Products	8	2	80.0%	Negative prices, Empty names
Orders	8	2	80.0%	Invalid quantities, Non-existent IDs