**Problem**: Application Not Starting on Windows

**Solution**: Ensure system meets minimum requirements. Run application as Administrator. Check if antivirus or firewall is blocking the app. Reinstall the application if corruption is suspected. Check Event Viewer for detailed error logs.

**Problem**: Slow Website Performance

**Solution**: Optimize images and media content. Enable caching (browser and server-side). Use a CDN (Content Delivery Network). Minify JavaScript, CSS, and HTML files. Perform database indexing and cleanups.

**Problem**: Email Not Sending from Outlook

**Solution**: Check SMTP server settings.

**Problem**: API Returning 500 Internal Server Error

**Solution**: Check backend server logs for error details. Validate incoming request payload and headers.

Confirm the server isn’t overloaded or out of memory.

Use try-catch blocks to handle unexpected exceptions.

Restart application and services if needed.

**Problem**: Printer Not Responding

**Solution**: Ensure printer is powered on and connected (Wi-Fi or USB). Restart the print spooler service. Check for paper jams or low ink/toner. Reinstall or update the printer driver. Run Windows Printer Troubleshooter.

**Problem**: Unable to Connect to VPN

**Solution**: Verify correct VPN credentials and server address. Disable firewall or antivirus temporarily and test. Ensure VPN client software is up-to-date. Restart router and PC. Check for expired certificates if using SSL VPN.

**Problem**: Database Connection Timeout

**Solution**: Check if database server is up and reachable (ping/test). Optimize long-running queries. Increase connection timeout settings. Monitor for maxed-out DB connections. Use a connection pool if under heavy load.

**Problem**: Mobile App Crashes on Launch

**Solution**: Clear app cache and data. Check device compatibility and OS version. Update to the latest version of the app. Review crash logs via tools like Firebase Crashlytics. Reinstall the app.

**Problem**: User Unable to Log In to Web Portal

**Solution**: Check username and password correctness. Ensure user account is active and not locked. Confirm internet connectivity. Clear browser cookies and cache. Look for error logs on backend authentication service.

**Problem**: High CPU Usage on Linux Server

**Solution**: Run top or htop to identify resource-heavy processes. Restart or stop the culprit process if safe. Check for memory leaks or misbehaving apps. Apply OS and software updates. Schedule regular server maintenance and log rotation.

Problem: Divide by Zero error

Solution: when denominator has zero then this error will come.