

The old scheme of IBM's database system included a system called IMS DB/DC. It was a hierarchical database, and did not survive in use much beyond 1985. It used COBOL queries which were translated into OS 370 operation code, and that code managed the database. One error noted occurred when a program was run that produced a boundary condition error. In the process the program overwrote sections of the object code itself. With no boundary protection for data, heap and object code sections, the program can otherwise destroy itself. The typical error for this at the time IBM was using this scheme was unrecognizable operation code, which was an assembler code error.