

PACKAGE ID - 000309IBMPC00 SQTTEXT

KWIC TITLE - Tool For Editing Structured Query Language
Text Within ORACLE Forms Applications

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LIMITATION CODE -UNL **AUDIENCE CODE** - UNL

COMPLETION DATE - 02/01/1991 **PUBLICATION DATE** - 08/01/1990

DESCRIPTION - SQTTEXT is an ORACLE SQL*Forms application that allows a programmer to view and edit all the Structured Query Language (SQL) text for a given application on one screen. This application is an outgrowth of the prototyping of an on-line system dictionary for the Worldwide Household Goods Information system for Transportation-Modernization decision support system being prototyped by the Oak Ridge National Laboratory, but it can be applied to all SQL*Forms software development, debugging, and maintenance.

PACKAGE CONTENTS - Media Directory; Software Abstract; ORNL/TM-11639;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1-5.25 diskette

METHOD OF SOLUTION - The user creates an application and generates a form. This process produces an executable version of the form which is stored in a disk file with a name ending in .frm. The process updates the source code version of the form, which is stored in a disk file with a name ending in .inp. The programmer can save the form to the IAP tables. When an application is saved to these tables, SQL*Forms automatically manages the insertion, modification, or deletion of information describing the application in the IAP tables. After the form is saved to the database, the IAP tables can become a very powerful tool for application development and maintenance.

COMPUTER - IBM PC

OPERATING SYSTEMS - ORACLE version 6.0 and SQL*Forms version 2.3

PROGRAMMING LANGUAGES - SQL

SOFTWARE LIMITATIONS - Because SQL*Forms version 2.3 forces the programmer to view each component of a SQL*Forms application, such as a block, field, or trigger, through a window specific to that component, it is impossible to get an overview of the whole

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SOFTWARE LIMITATIONS - (CONT) application at one time. These windows are not the type of windows associated with workstations and graphical user interfaces; they cannot be independently opened, closed, or moved, and they cannot concurrently run programs. Also SQL*Forms windows must be navigated in an order controlled by SQL*Forms tool. The windows permit the programmer to only choose an action or display and edit a few lines of code associated with a single trigger.

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - Because ORACLE can operate on a wide variety of hardware platforms and operating systems, it is probable that SQTTEXT could be used as a productivity tool for a multiplicity of other projects.

RELATED SOFTWARE - NONE

OTHER PROG/OPER SYS INFO - NONE

HARDWARE REQS - SunOS 4.0.3

TIME REQUIREMENTS - Depends upon person using the system and upon the application.

REFERENCES - P.F. Daugherty and P.T. Singley 'SQTTEXT: A Tool for Editing Structured Query Language (SQL) Text within ORACLE SQL*Forms Application' ORNL/TM-11639, August 1990.

ABSTRACT STATUS - Submitted March 1992.

SUBJECT CLASS CODE - P

KEYWORDS -

S CODES
PROGRAMMING
TEXT EDITORS
COMPUTER ARCHITECTURE
COMPUTER PROGRAM DOCUMENTATION

EDB SUBJECT CATEGORIES -
990200

SPONSOR - DOE/ER

PACKAGE TYPE - SCREENED