UNERSIDAD PRIVADA DE TACNA

INGENIERIA DE SISTEMAS

TITULO:

INFORME: Database Programming with PL/SQL

CURSO:

BASE DE DATOS II

DOCENTE(ING):

Patrick Cuadros Quiroga

Integrantes:

Renzo A. Moreno Cáceres   (2013047246)

Índice

1. Tareas 2

1. Why is it more efficient to combine SQL statements into PL/SQL blocks?

   it is more efficient to use SQL statements within PL/SQL blocks because network traffic can
   be decreased significantly, and application becomes more efficient as well.
   go

2. Why is it beneficial to use PL/SQL with an Oracle database? List at least three reasons.

   1) It allows the programmer to combine procedural constructs with SQL.
   2) The basic unit of a PL/SQL program is a block, and blocks allow the programmer to create
   code that is easier to read and maintain.
   3) PL/SQL allows the programmer to combine multiple SQL statements into a single PL/SQL
   program. Sending a single PL/SQL program to the database server for processing is more effi-
   cient than sending multiple SQL statements.
   4) PL/SQL is integrated into several Oracle tools such as Forms, Reports, and Oracle Applica-
   tion Express.
   5) You can develop PL/SQL code on one operating system and deploy it on another operating
   system because PL/SQL code is independent of the operating system and the platform.
   6) PL/SQL allows the programmer to prepare for errors by writing exception handling logic into
   code; PL/SQL easily handles data-oriented exceptions such as no data found and too many rows.

3. How is PL/SQL different from C and Java? List three differences.

   1) PL/SQL requires a database or Oracle tool..
   2) PL/SQL allows for some object-oriented programming techniques, but is not as extensive as
   Java.
   3) PL/SQL is the most efficient language to use with an Oracle database.
   4) PL/SQL is portable to other operating systems, as long as it is running a compatible Oracle
   database (that is, a database with the same version).
   5) PL/SQL is easier to learn than C and Java.

4. List three examples of what you can build with PL/SQL code.

   Using PL/SQL, you can:
   1) Create Web and other applications
   2) Manage application data (write programs for DDL or DML)
   3) Manage the Oracle database (write programs for security, for managing database jobs)
   4) Create custom reports