

REFERENCE	COP
INTENDED PARTICIPANTS	This course is for all those working with Oracle 11g/12c. Knowledge of relational databases and programming concepts is helpful. Prior experience of Oracle is not necessary.
LEARNING OBJECTIVES	Using Oracle database 11g/12c to create powerful applications. Writing reusable PL/SQL code with cursors and procedures. Programming with functions, packages and triggers.
DURATION	3 days
DELIVERY PRICE	Contact Us

COURSE CONTENT

INTRODUCTION

Why PL/SQL?

THE PL/SQL BLOCK STRUCTURE

Comments and definitions

PL/SQL AND SELECT INSTRUCTION

Comments and writing

VARIABLES

Data types

Conversion of data types

Variables (Declaration, assigning values)

Referenced variables (%TYPE, %ROWTYPE)

RECORD variables

The PL/SQL tables (Array)

The visibility of variables

'Bind' variables

CONTROL STRUCTURES

Conditional treatments

Iterative treatments

Sequential treatments

CURSORS

Definition and types (explicit, implicit)

The attributes of a cursor: %FOUND, %NOTFOUND, ...

Loops and cursors

Parameterized cursors, cursors FOR UPDATE

The clauses of a cursor: CURRENT OF and RETURN

REF CURSOR-type variables

ERROR MANAGEMENT

Predefined exceptions

User-defined exceptions

Customized exceptions

Using SQLCODE and SQLERRM

TRANSACTION MANAGEMENT

Commit, Rollback, Savepoint

TREATMENTS STORED IN THE DATABASE

Procedures

Functions

Packages

Triggers

The INSTEAD OF trigger

PRACTICAL WORK

Immediate implementation through numerous practical exercises provides effective instruction.

Methods and best practices to program in PL/SQL.

Feedback from Oracle PL/SQL specialists.