Cheatography

PL/SQL Exceptions Cheat Sheet

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PL SQL error handling

exception propagates outward to each successive block , until properly handled or presented to client finally

EXCEPTION	without it,error present to client
WHEN except-ion_name	trap an exception
THEN	handle an exception
RAISE	raise the current except

Types of Exception

Named System Exceptions

Unnamed System Exceptions

User-defined Exceptions

Named System Exceptions

NO_DAT-A_FOUND	SELECT...INTO with no returned
ZERO_DIVIDE	
TOO_MA-NY_ROWS	fetch >1 row into a record/var
INVALID_C-URSOR	cursor closed

Unamed system exceptions

WHEN OTHERS THEN	OTHERS handler used
to handle explicitly	exception_name EXCEPTION;

PRAGMA EXCEPTION_INIT (exceptio-n_name, Err_code);

User defined exception

my_exception EXCEPTION;	raise my_exc-eption;
pragma exception_init(-my_exception,-20001);	assign error code
RAISE_APPLICATI-ON_ERROR(code,msg)	assign a user friendly message
WHEN my_exception THEN	trap and handle

Explicitly declared in declaration ,raised in execution section and handled in Exception section

raise_application_error(code, msg)

predefined oracle procedure for user raise error with code and messag

1) error code range(-required)	-20,000 ~ -20,999
2) message	varchar2(2000)
3)boolean: default false-added to top of list of all errors	true: adds the error to the current stack

from DBMS_STANDARD, no name provided, handled with OTHERS handler. Uncommitted session tx rollback

raise_application_error with handler

```
DECLARE
    n_s alary NUMBER;
  sal_high EXCEPTION;
  pragma except ion _in it( -
sal _hi gh, -20 001);
BEGIN
    SELECT salary INTO n_salary
   FROM employees
    WHERE employ ee_ id= :em -
plo yee_id;
   IF n_salary >10000 THEN
     raise_ app lic ati on_ -
error
            (-2000 1,' Salary
is high');
   END IF;
EXCEPTION
   WHEN sal_high THEN
            dbm s_o utp ut.p -
ut _li ne( SQL CODE);
            dbm s_o utp ut.p -
ut _li ne( sql errm);
END;
```

raise; //raise current error

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