

7-4: Recognizing the Scope of Exceptions

Vocabulary

- 1.propagation of exceptions
- 2.exception visibility
- 3.exception scope

Try It / Solve It

1.

A.

5-This country does not exist

672-This country exists but has no currency

B.

DECLARE

v_country_name wf_countries.country_name%TYPE;

v_currency_code wf_countries.currency_code%TYPE;

BEGIN

DECLARE

e_no_currency EXCEPTION;

BEGIN

SELECT country_name, currency_code INTO v_country_name,
v_currency_code

FROM wf_countries

WHERE country_id = 672; -- repeat with 672

IF v_currency_code = 'NONE' THEN

```

RAISE e_no_currency;
END IF;
END;
EXCEPTION
WHEN NO_DATA_FOUND THEN
DBMS_OUTPUT.PUT_LINE('This country does not exist');
WHEN e_no_currency THEN
DBMS_OUTPUT.PUT_LINE('This country exists but has no
currency');
WHEN OTHERS THEN
DBMS_OUTPUT.PUT_LINE('Another type of error occurred');
END;
e_no_currency must be declared
C.
DECLARE
v_country_name wf_countries.country_name%TYPE;
v_currency_code wf_countries.currency_code%TYPE;
e_no_currency EXCEPTION;
BEGIN
DECLARE
BEGIN
SELECT country_name, currency_code INTO v_country_name,
v_currency_code
FROM wf_countries
WHERE country_id = 672; -- repeat with 672

```

```
IF v_currency_code = 'NONE' THEN
RAISE e_no_currency;
END IF;
END;
EXCEPTION
WHEN NO_DATA_FOUND THEN
DBMS_OUTPUT.PUT_LINE('This country does not exist');
WHEN e_no_currency THEN
DBMS_OUTPUT.PUT_LINE('This country exists but has no
currency');
WHEN OTHERS THEN
DBMS_OUTPUT.PUT_LINE('Another type of error occurred');
END;
it works fine
```