

## 4-2: Conditional Control: Case Statements

### Vocabulary

- 1.CASE expression
- 2.Logic table
- 3.CASE statment

### Try It / Solve It

1.

```
DECLARE
```

```
    v_country_name wf_countries.country_name%TYPE := '<country_name>';
```

```
    v_airports    wf_countries.airports%TYPE;
```

```
BEGIN
```

```
    SELECT airports INTO v_airports FROM wf_countries WHERE country_name =  
v_country_name;
```

```
    CASE
```

```
        WHEN v_airports >=0 AND v_airports <= 100 THEN DBMS_OUTPUT.PUT_LINE  
( 'There are 100 or fewer airports.' );
```

```
        WHEN v_airports >= 100 AND v_airports <= 1000 THEN DBMS_OUTPUT.PUT_LINE  
( 'There are between 101 and 1000 airports.' );
```

```
        WHEN v_airports >= 1000 AND v_airports <= 10000 THEN DBMS_OUTPUT.PUT_LINE  
( 'There are between 1001 and 10000 airports.' );
```

```
        WHEN v_airports > 10000 THEN DBMS_OUTPUT.PUT_LINE ( 'There are more than  
10000 airports.' );
```

```
        ELSE DBMS_OUTPUT.PUT_LINE ( 'The number of airports is not available for this  
country.' );
```

```
    END CASE;
```

```
END;
```

2.

DECLARE

v\_country\_name wf\_countries.country\_name%TYPE := '<country\_name>';

v\_coastline wf\_countries.coastline %TYPE;

v\_coastline\_description VARCHAR2(50);

BEGIN

SELECT coastline INTO v\_coastline FROM wf\_countries WHERE country\_name =  
v\_country\_name;

v\_coastline\_description := CASE

WHEN v\_coastline = 0 THEN 'no coastline'

WHEN v\_coastline < 1000 THEN 'a small coastline'

WHEN v\_coastline < 10000 THEN 'a mid-range coastline'

ELSE 'a large coastline'

END;

DBMS\_OUTPUT.PUT\_LINE('Country ' || v\_country\_name || ' has ' || v\_coastline\_description);

END;

3.

DECLARE

v\_curr\_name wf\_currencies.currency\_name%TYPE:='Euro';

v\_nr\_countries NUMBER(10);

BEGIN

SELECT count(\*) INTO v\_nr\_countries FROM wf\_countries e,wf\_currencies f WHERE  
e.currency\_code = f.currency\_code AND f.currency\_name=v\_curr\_name;

CASE

WHEN v\_nr\_countries>20 THEN DBMS\_OUTPUT.PUT\_LINE('more than 20');

WHEN v\_nr\_countries>10 AND v\_nr\_countries<20 THEN  
DBMS\_OUTPUT.PUT\_LINE('BETWEEN 10-20');

WHEN v\_NR\_COUNTRIES < 10 THEN DBMS\_OUTPUT.PUT\_LINE('less than 10');

END CASE;

END;

4.

A.BLACK

B.BLACK

C.WHITE

D.LA FEL CA PENTRU AND