

5-3: Cursor FOR Loops

Vocabulary

1.Cursor FOR Loops

Try It/Solve It

1.

—coddle scris mai simplu,mai usor de inteles,nu este nevoie sa declaram variabile

2.

```
DECLARE
```

```
CURSOR countries_cur IS
```

```
SELECT country_name, national_holiday_name, national_holiday_date FROM wf_countries
```

```
WHERE region_id = 5;
```

```
countries_rec countries_cur%ROWTYPE;
```

```
BEGIN
```

```
FOR countries_rec in countries_cur LOOP
```

```
EXIT WHEN countries_cur%NOTFOUND;
```

```
DBMS_OUTPUT.PUT_LINE ('Country: ' || countries_rec.country_name
```

```
|| ' National holiday: ' || countries_rec.national_holiday_name
```

```
|| ', held on: ' || countries_rec.national_holiday_date);
```

```
END LOOP;
```

```
END;
```

3.

BEGIN

**FOR countries_rec in (SELECT country_name, national_holiday_name,
national_holiday_date FROM wf_countries WHERE region_id = 5)**

LOOP

DBMS_OUTPUT.PUT_LINE ('Country: ' || countries_rec.country_name

|| ' National holiday: ' || countries_rec.national_holiday_name

|| ', held on: ' || countries_rec.national_holiday_date);

END LOOP;

END;

4.

BEGIN

**FOR countries_rec in (SELECT country_name, highest_elevation, climate FROM
wf_countries WHERE highest_elevation>8000)**

LOOP

DBMS_OUTPUT.PUT_LINE ('Country: ' || countries_rec.country_name

|| ' Highest elevation: ' || countries_rec.highest_elevation

|| ', Climate: ' || countries_rec.climate);

END LOOP;

END;

5.

DECLARE

CURSOR spoken_cursor is SELECT c.country_name,COUNT(*) numar FROM wf_countries
c,wf_spoken_languages s WHERE c.country_id=s.country_id

GROUP BY c.country_name

HAVING COUNT(*)>6;

```
v_total PLS_INTEGER;

BEGIN

FOR v_countries IN spoken_cursor LOOP

DBMS_OUTPUT.PUT_LINE ('Country: ' || v_countries.country_name || ' Nr of languages: ' ||
v_countries.numar);

v_total:= spoken_cursor%ROWCOUNT;

END LOOP;

DBMS_OUTPUT.PUT_LINE (v_total);

END;
```