6-2: Indexing Tables of Records

Vocabulary

1.Collection

2.INDEX BY table

3.INDEX BY table of records

Try It/Solve It

1.

A.

-o variabila compusa care contine acelasi tip de data

B.

1.YES

2.NO

3.YES

4.NO

C.

INDEX BY table- contine un camp identificat dupa o cheie primara, poate fi accesat indexat,iar baza de date contine mai multe informatii, nu dispune de acces indexat

D.

INDEX BY table are un tip de data scalar, in timp ce INDEX BY table record, are ca tip de data %ROWTYPE

E.

t_pops=tip de data

v_pops_tab=variabila de tipul de data t_pops,INDEX BY table
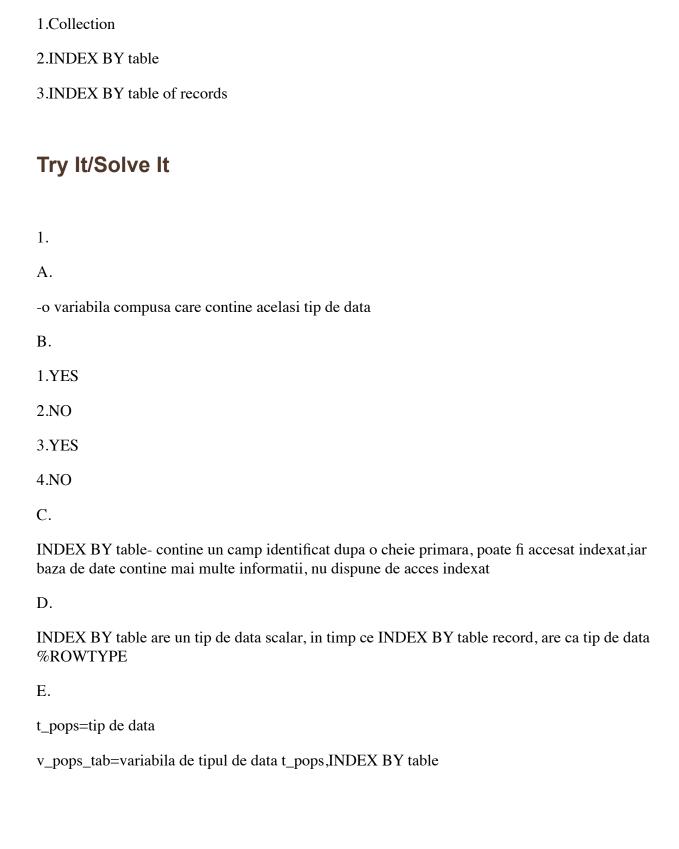
2.

A.

```
DECLARE
 TYPE t_country_name IS TABLE OF WF_countries.country_name%TYPE
 INDEX BY BINARY_INTEGER;
 v_country_name_tab t_country_name ;
BEGIN
 FOR count_rec IN (SELECT country_id,country_name FROM wf_countries WHERE region_id=5 ORDER BY country_id) LOOP
  v_country_name_tab(count_rec.country_id):=count_rec.country_name;
 END LOOP;
END;
```

B.

```
FOR iterator IN v_country_name_tab.FIRST..v_country_name_tab.LAST LOOP
  IF(v_country_name_tab.EXISTS(iterator)) THEN
   DBMS_OUTPUT.PUT_LINE(v_country_name_tab(iterator));
  END IF;
 END LOOP;
```

C.

```
DBMS_OUTPUT.PUT_LINE(v_country_name_tab(v_country_name_tab.FIRST)||' | '|| v_country_name_tab(v_country_name_tab.LAST)||' | '||v_country_name_tab.COUNT);
```


3.

A.
```
DECLARE
 CURSOR cur_emp is SELECT employee_id,last_name,job_id,salary FROM employees;
 TYPE t_emp_rec IS TABLE OF  CUR_EMP%ROWTYPE
 INDEX BY BINARY_INTEGER;
 v_emp_rec_tab t_emp_rec;
BEGIN
```

```
 FOR emp_rec IN (SELECT employee_id,last_name,job_id,salary FROM employees ORDER BY
employee_id) LOOP

  v_emp_rec_tab(emp_rec.employee_id):=emp_rec;

 END LOOP;

END;

B.FOR i IN v_emp_rec_tab.FIRST..v_emp_rec_tab.LAST LOOP

  IF(v_emp_rec_tab.EXISTS(i)) THEN

    DBMS_OUTPUT.PUT_LINE(v_emp_rec_tab(i).LAST_NAME||' | '||v_emp_rec_tab(i).job_id||' |
'||v_emp_rec_tab(i).salary);

   END IF;

 END LOOP;
```