TRIGGER

CREATE TABLE students

(student_id VARCHAR2(10),

 student_name VARCHAR2(30),

 college_major VARCHAR2(15),

 status VARCHAR2(15));

```
SQL> CREATE TABLE students
  2  (student_id VARCHAR2(10),
  3    student_name VARCHAR2(30),
  4    college_major VARCHAR2(15),
  5    status VARCHAR2(15));

Tabla creada.
```

CREATE TABLE TEMP (AMOUNT NUMBER);

INSERT INTO TEMP VALUES (0.12345);

INSERT INTO TEMP VALUES (12345.1209);

```
SQL> CREATE TABLE TEMP (AMOUNT NUMBER);

Tabla creada.

SQL> INSERT INTO TEMP VALUES (0.12345);

1 fila creada.

SQL> INSERT INTO TEMP VALUES (12345.1209);

1 fila creada.

SQL> _
```

ALTER SESSION SET NLS_DATE_FORMAT='DD-MON-YYYYhh24:MI:SS';

```
SQL> ALTER SESSION SET NLS_DATE_FORMAT='DD-MON-YYYYhh24:MI:SS';

Sesi%n modificada.

SQL>
```

```sql
CREATE TABLE student_writting_samples
(student_id VARCHAR2(10),
 writing_sample CLOB));
```

```sql
CREATE TABLE student_transcripts
(student_id VARCHAR2(10),
 transcript SYS.XMLTYPE);
```

```
SQL> CREATE TABLE student_transcripts
  2  (student_id VARCHAR2(10),
  3   transcript SYS.XMLTYPE);

Tabla creada.

SQL>
```

```sql
INSERT INTO student_transcripts
 (student_id, transcript)
VALUES ('A101',
 sys.XMLTYPE.createXML('<STUDENT_TRANSCRIPT>'
 ||'<CLASS>'
 ||'<COURSE>Math 101</COURSE>'
 ||'<GRADE>A</GRADE>'
 ||'</CLASS>'
 ||'<CLASS>'
 ||'<COURSE>English 102</COURSE>'
 ||'<GRADE>A</GRADE>'
 ||'</CLASS>'
 ||'</STUDENT_TRANSCRIPT>'));
```

```
SQL>
SQL> INSERT INTO student_transcripts
  2    (student_id, transcript)
  3    VALUES ('A101',
  4    sys.XMLTYPE.createXML('<STUDENT_TRANSCRIPT>'
  5    ||'<CLASS>'
  6    ||'<COURSE>Math 101</COURSE>'
  7    ||'<GRADE>A</GRADE>'
  8    ||'</CLASS>'
  9    ||'<CLASS>'
 10    ||'<COURSE>English 102</COURSE>'
 11    ||'<GRADE>A</GRADE>'
 12    ||'</CLASS>'
 13    ||'</STUDENT_TRANSCRIPT>'));

1 fila creada.
```

```
set long 10000

SELECT

 student_id,

 p.transcript.getClobVal()

FROM

 student_transcripts p;
```

```
SQL> set long 10000
SQL> SELECT
  2    student_id,
  3    p.transcript.getClobVal()
  4    FROM
  5    student_transcripts p;

STUDENT_ID
----------
P.TRANSCRIPT.GETCLOBVAL()
--------------------------------------------------------------------------------
A101
<STUDENT_TRANSCRIPT>
  <CLASS>
    <COURSE>Math 101</COURSE>
    <GRADE>A</GRADE>
  </CLASS>
  <CLASS>
    <COURSE>English 102</COURSE>
    <GRADE>A</GRADE>

STUDENT_ID
----------
P.TRANSCRIPT.GETCLOBVAL()
--------------------------------------------------------------------------------
  </CLASS>
</STUDENT_TRANSCRIPT>
```