1. hw5trig.sql

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ vi hw5trig.sql

DROP TABLE newhires purge;

CREATE TABLE newhires as select empno, hiredate, ename from empbb02;

CREATE OR REPLACE TRIGGER hw5trig

AFTER INSERT ON empbb02

FOR EACH ROW

BEGIN

INSERT INTO newhires (empno, hiredate, ename)

VALUES( :new.empno, :new.hiredate, :new.ename);

END;

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"hw5trig.sql" 11L, 277C 9,2-9 All

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ sqlplus st30/cs514@cs514

SQL\*Plus: Release 11.2.0.4.0 Production on Thu Aug 10 14:41:41 2017

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ERROR:

ORA-28002: the password will expire within 104 days

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining

and Real Application Testing options

SQL> start hw5trig.sql

Table dropped.

Table created.

Trigger created.

SQL> insert into empbb02(empno,hiredate,ename) values( '121', '02-january-1951', 'grayman');

1 row created.

SQL> select \* from newhires;

EMPNO HIREDATE ENAME

----- --------- ----------------

120 01-JAN-50 gregman

712 01-JAN-98 rickey

735 10-JAN-98 lasorda

707 11-JAN-98 bochy

798 12-JAN-98 berra

782 01-FEB-98 musial

763 11-MAR-98 gehrig

777 05-MAY-98 minoso

721 28-FEB-98 sandberg

788 10-JAN-99 cey

720 05-JAN-99 williams

EMPNO HIREDATE ENAME

----- --------- ----------------

755 08-NOV-98 johnson

744 18-OCT-99 brown

730 01-JAN-98 mays

799 10-MAR-00 mungo

766 16-OCT-01 rodriguez

121 02-JAN-51 grayman

17 rows selected.

SQL>

2. Trace of rain

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ sqlplus st30/cs514@cs514

SQL\*Plus: Release 11.2.0.4.0 Production on Thu Aug 10 13:39:41 2017

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ERROR:

ORA-28002: the password will expire within 104 days

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining

and Real Application Testing options

SQL> set pages 500

SQL> select year, aug from rainfall where aug <= .04;

YEAR AUG

---------- ----------

1850 0

1851 0

1855 .04

1856 0

1857 .02

1858 .04

1859 0

1860 0

1861 0

1862 0

1863 0

1864 0

1865 0

1868 0

1869 0

1871 0

1874 0

1877 0

1878 0

1879 0

1881 .01

1882 0

1883 0

1884 0

1886 0

1887 0

1888 0

1889 .04

1890 0

1891 0

1893 0

1894 .04

1895 0

1897 0

1898 0

1900 0

1901 0

1902 0

1903 0

1904 0

1905 0

1907 0

1909 0

1911 0

1913 .02

1914 0

1915 0

1916 .01

1917 0

1919 .01

1920 .01

1921 0

1922 0

1923 0

1924 0

1925 .01

1927 .01

1928 .03

1929 0

1930 0

1932 0

1933 .01

1934 .02

1937 0

1938 .03

1939 0

1940 0

1941 .03

1942 0

1943 0

1944 0

1946 0

1947 0

1948 0

1949 0

1950 0

1952 0

1953 0

1954 0

1956 0

1957 0

1958 0

1959 0

1960 0

1961 .04

1962 0

1963 0

1964 0

1965 0

1966 0

1968 0

1969 .01

1970 0

1971 .03

1972 .02

1973 0

1974 0

1975 0

1976 .01

1978 0

1979 .01

1980 0

1981 0

1982 0

1985 0

1986 0

1987 .01

1988 0

1989 0

1990 .01

1991 .01

1993 0

1994 .01

1995 0

1996 0

1997 0

1998 0

1999 0

2000 .01

2001 0

2002 0

2003 0

2004 0

2005 0

2006 .01

2007 0

2008 0

2009 0

2010 0

2011 0

2012 0

2013 0

2015 .01

2016 0

2017 0

135 rows selected.

SQL>

3. xtrabases.sql

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ vi xtrabases.sql

DROP TABLE stats PURGE;

DROP TYPE team\_type;

DROP TYPE xtrabases;

CREATE TYPE xtrabases AS Object(

num\_doubles NUMBER,

num\_triples NUMBER,

num\_homeruns NUMBER,

member function dingers RETURN NUMBER

);

/

CREATE TYPE team\_type AS

VARRAY(10) OF VARCHAR2(24);

/

CREATE TABLE stats (

fname VARCHAR2(16),

lname VARCHAR2(16),

xtrabs xtrabases,

team team\_type

);

INSERT INTO stats VALUES('John', 'Snoltz', xtrabases(null, null, 288), team\_type('Atlanta Braves'));

INSERT INTO stats VALUES('Jackie', 'Robinson', xtrabases(null, null, 137), team\_type('Brooklyn Dodgers'));

INSERT INTO stats VALUES('Cal', 'Ripkin', xtrabases(null,null, 131), team\_type('Baltimore Orioles'));

INSERT INTO stats VALUES('Mike', 'Piazza', xtrabases(null,null,427), team\_type('New York Mets'));

INSERT INTO stats VALUES('Willie', 'Mays', xtrabases(null, null,660), team\_type('San Francisco Giants'));

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12,2-9 All

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ sqlplus st30/cs514@cs514

SQL\*Plus: Release 11.2.0.4.0 Production on Tue Aug 15 12:54:24 2017

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ERROR:

ORA-28002: the password will expire within 99 days

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining

and Real Application Testing options

SQL> start xtrabases

Table dropped.

Type dropped.

Type dropped.

Type created.

Type created.

Table created.

1 row created.

1 row created.

1 row created.

1 row created.

1 row created.

SQL> select \* from stats;

FNAME LNAME

---------------- ----------------

XTRABS(NUM\_DOUBLES, NUM\_TRIPLES, NUM\_HOMERUNS)

--------------------------------------------------------------------------------

TEAM

--------------------------------------------------------------------------------

John Snoltz

XTRABASES(NULL, NULL, 288)

TEAM\_TYPE('Atlanta Braves')

Jackie Robinson

XTRABASES(NULL, NULL, 137)

TEAM\_TYPE('Brooklyn Dodgers')

FNAME LNAME

---------------- ----------------

XTRABS(NUM\_DOUBLES, NUM\_TRIPLES, NUM\_HOMERUNS)

--------------------------------------------------------------------------------

TEAM

--------------------------------------------------------------------------------

Cal Ripkin

XTRABASES(NULL, NULL, 131)

TEAM\_TYPE('Baltimore Orioles')

Mike Piazza

XTRABASES(NULL, NULL, 427)

FNAME LNAME

---------------- ----------------

XTRABS(NUM\_DOUBLES, NUM\_TRIPLES, NUM\_HOMERUNS)

--------------------------------------------------------------------------------

TEAM

--------------------------------------------------------------------------------

TEAM\_TYPE('New York Mets')

Willie Mays

XTRABASES(NULL, NULL, 660)

TEAM\_TYPE('San Francisco Giants')

SQL>

Dingers procedure

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ vi dingersproc.sql

CREATE OR REPLACE TYPE BODY xtrabases

AS MEMBER FUNCTION dingers RETURN NUMBER

IS

BEGIN

return self.num\_homeruns;

END;

END;

/

show errors

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"dingersproc.sql" 9L, 164C 5,2-9 All

[cssc0030@edoras ~]$ clear

[cssc0030@edoras ~]$ sqlplus st30/cs514@cs514

SQL\*Plus: Release 11.2.0.4.0 Production on Tue Aug 15 13:04:38 2017

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ERROR:

ORA-28002: the password will expire within 99 days

Connected to:

Oracle Database 11g Enterprise Edition Release 11.2.0.4.0 - 64bit Production

With the Partitioning, Oracle Label Security, OLAP, Data Mining

and Real Application Testing options

SQL> start dingersproc

Type body created.

No errors.

SQL>