Métodos Constructores y Básicos

1. Métodos Constructores
2. Métodos Básicos

Métodos Constructores

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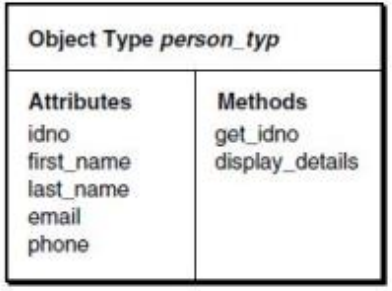


```
CREATE TYPE person_typ AS OBJECT (
  idno            NUMBER,
  first_name      VARCHAR2(20),
  last_name       VARCHAR2(25),
  email           VARCHAR2(25),
  phone           VARCHAR2(20),
  MEMBER FUNCTION get_idno RETURN NUMBER,
  MEMBER PROCEDURE display_details );
```

```
CREATE TYPE BODY person_typ AS
  MEMBER FUNCTION get_idno RETURN NUMBER IS
  BEGIN
    RETURN idno;
  END;
  MEMBER PROCEDURE display_details IS
  BEGIN
    -- use the PUT_LINE procedure of the DBMS_OUTPUT package to display details
    DBMS_OUTPUT.PUT_LINE(TO_CHAR(idno) || ' ' || first_name || ' ' || last_name);
    DBMS_OUTPUT.PUT_LINE(email || ' '  || phone);
  END;
END;
```

1. Métodos Constructores

```
CREATE OR REPLACE TYPE solid_typ AS OBJECT
(
-- The type has 2 attributes.
  nombre VARCHAR2(20),
  area NUMBER,
-- Define a constructor that has only 2 parameters.
  CONSTRUCTOR FUNCTION solid_typ(nombre VARCHAR2)
    RETURN SELF AS RESULT
);

CREATE OR REPLACE TYPE BODY solid_typ AS
  CONSTRUCTOR FUNCTION solid_typ(nombre VARCHAR2) RETURN SELF AS RESULT IS
  BEGIN
    SELF.nombre := nombre;
-- We compute the area rather than accepting it as a parameter.
    SELF.area := -1;
    RETURN;
  END;
END;
```

BLOQUE PL/SQL

```
DECLARE
  s1 solid_typ;
  s2 solid_typ;
BEGIN
  s1 := NEW solid_typ('CUBO',20);
  s2 := NEW solid_typ('RECTANGLE');
END;
```

Métodos Básicos

1. Métodos Básicos

```
CREATE or replace TYPE figura_t AS OBJECT(
coordenadaX NUMBER,
coordenadaY NUMBER,
altura NUMBER,
anchura NUMBER,
MEMBER FUNCTION calculaArea RETURN NUMBER,
MEMBER PROCEDURE mueveFigura(xl NUMBER, yl NUMBER));
```

```
CREATE OR REPLACE TYPE BODY figura_t AS
MEMBER FUNCTION calculaArea RETURN NUMBER IS
  BEGIN
    return altura*anchura;
  END;
MEMBER PROCEDURE mueveFigura(xl NUMBER, yl NUMBER) IS
  BEGIN
    coordenadaX:=xl;
    coordenadaY:=yl;
  END;
END;
```

“Cada "tic-tac" es un segundo de la vida que pasa, huye, y no se repite. Y hay en ella tanta intensidad, tanto interés, que el problema es solo saberla vivir“

FRIDA KAHLO