DECLARE

v\_myage NUMBER;

BEGIN

IF v\_myage < 11

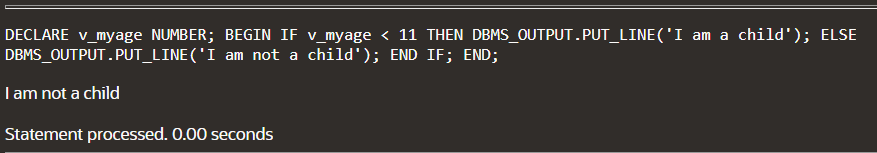
THEN

DBMS\_OUTPUT.PUT\_LINE('I am a child');

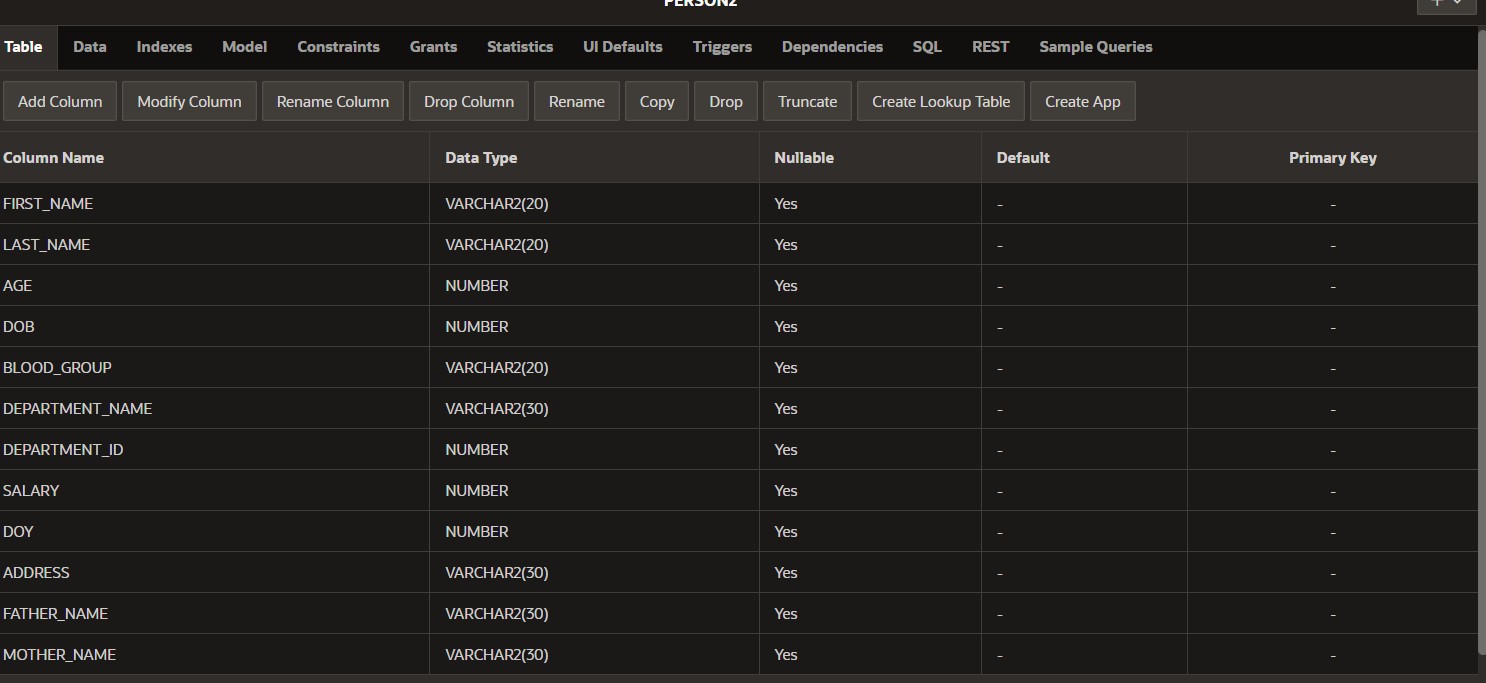
ELSE

DBMS\_OUTPUT.PUT\_LINE('I am not a child');

END IF;

END;

CREATE TABLE PERSON2(FIRST\_NAME Varchar(20),LAST\_NAME Varchar(20),AGE Number,DOB Number,BLOOD\_GROUP Varchar(20),DEPARTMENT\_NAME Varchar(30),DEPARTMENT\_ID Number,SALARY Number,DOY Number,ADDRESS Varchar(30),FATHER\_NAME Varchar(30),MOTHER\_NAME Varchar(30));



INSERT INTO PERSON2 VALUES('CHALLA','PRIYADARSHINI',19,04-07-2006,'O POSITIVE','CSE',1234,100000,2006,'KHAMMAM','SEETHARAMULU','SEETHA');

INSERT INTO PERSON2 VALUES('CHALLA','NEHACHATURYA',12,28-10-2010,'A POSITIVE','MEDICAL',1345,150000,2010,'KHAMMAM','SEETHARAMULU','SEETHA');

INSERT INTO PERSON2 VALUES('NERSU','HARIKA',20,14-1-2005,'B POSITIVE','BIO',1876,151230,2005,'KOTHAGUDEM','NAGESHWARROA','PADMA');

INSERT INTO PERSON2 VALUES('SAMINENI','YASHASWINI',18,20-11-2004,'O POSITIVE','AI',1678,160000,2004,'KANAPUR','VENKATESH','BABY');

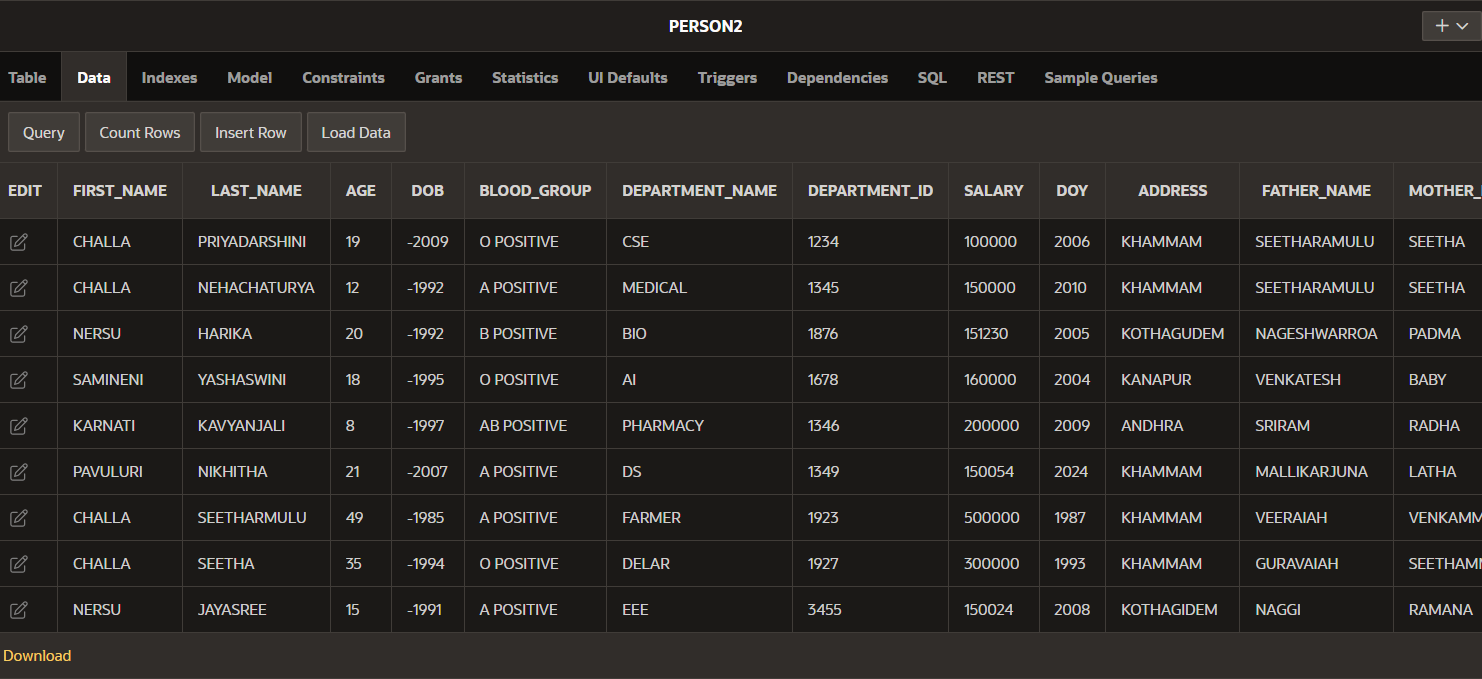
INSERT INTO PERSON2 VALUES('KARNATI','KAVYANJALI',8,22-10-2009,'AB POSITIVE','PHARMACY',1346,200000,2009,'ANDHRA','SRIRAM','RADHA');

INSERT INTO PERSON2 VALUES('PAVULURI','NIKHITHA',21,29-12-2024,'A POSITIVE','DS',1349,150054,2024,'KHAMMAM','MALLIKARJUNA','LATHA');

INSERT INTO PERSON2 VALUES('CHALLA','SEETHARMULU',49,04-02-1987,'A POSITIVE','FARMER',1923,500000,1987,'KHAMMAM','VEERAIAH','VENKAMMA');

INSERT INTO PERSON2 VALUES('CHALLA','SEETHA',35,04-05-1993,'O POSITIVE','DELAR',1927,300000,1993,'KHAMMAM','GURAVAIAH','SEETHAMMA');

INSERT INTO PERSON2 VALUES('NERSU','JAYASREE',15,29-12-2008,'A POSITIVE','EEE',3455,150024,2008,'KOTHAGIDEM','NAGGI','RAMANA');



DECLARE

CURSOR my\_cursor IS

SELECT FIRST\_NAME,LAST\_NAME,AGE,FATHER\_NAME,MOTHER\_NAME

FROM PERSON2

ORDER BY AGE ASC;

my\_record my\_cursor%ROWTYPE;

BEGIN

OPEN my\_cursor;

LOOP

FETCH my\_cursor INTO my\_record;

EXIT WHEN my\_cursor%NOTFOUND;

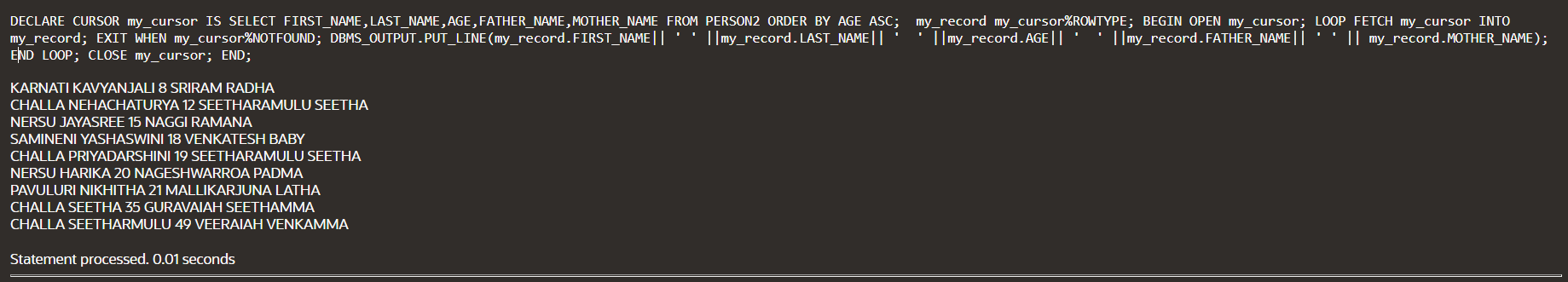
DBMS\_OUTPUT.PUT\_LINE(my\_record.FIRST\_NAME|| ' ' ||my\_record.LAST\_NAME|| ' ' ||my\_record.AGE|| ' ' ||my\_record.FATHER\_NAME|| ' ' || my\_record.MOTHER\_NAME);

END LOOP;

CLOSE my\_cursor;

END;

**OUTPUT:**

****

**GOTO STATEMENT:**

DECLARE

a number(2) := 35;

BEGIN

<<loopstart>>

WHILE a < 50 LOOP

dbms\_output.put\_line ('value of a: ' || a);

a := a + 1;

IF a = 40 THEN

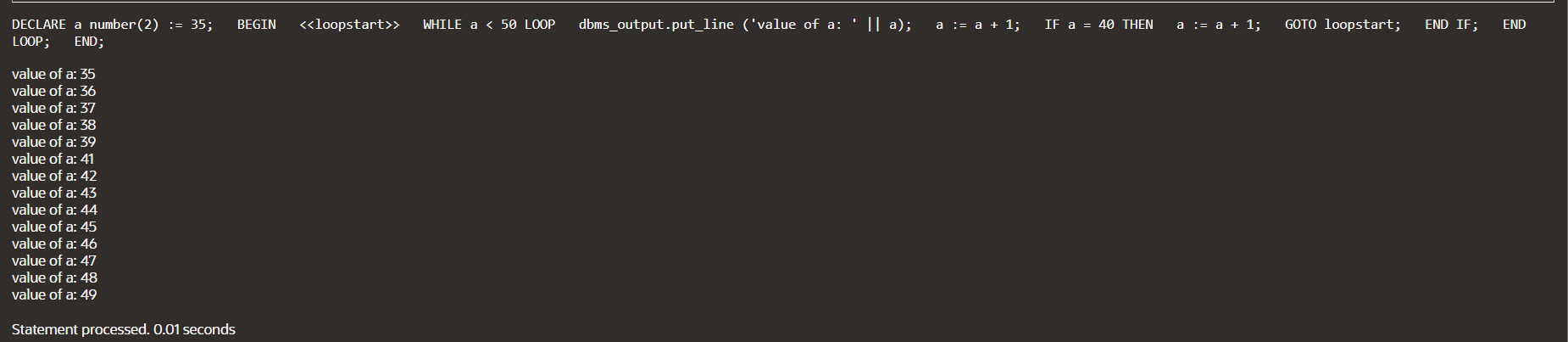
a := a + 1;

GOTO loopstart;

END IF;

END LOOP;

END;



**DIVISION BY ZERO:**

DECLARE

dividend NUMBER := 10;

divisor NUMBER := 0;

result NUMBER;

BEGIN

result := dividend / divisor;

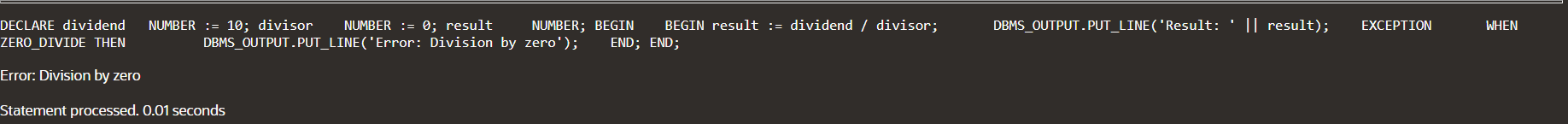
DBMS\_OUTPUT.PUT\_LINE('Result: ' || result);

EXCEPTION

WHEN ZERO\_DIVIDE THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Division by zero');

END;



**NO DATA FOUND:**

DECLARE

emp\_name VARCHAR2(100);

emp\_id NUMBER := 225;

BEGIN

BEGIN

SELECT EMPLOYEE\_NAME INTO emp\_name FROM EMPLOYEE WHERE DEPARTMENT\_ID = emp\_id;

DBMS\_OUTPUT.PUT\_LINE('Employee Name: ' || emp\_name);

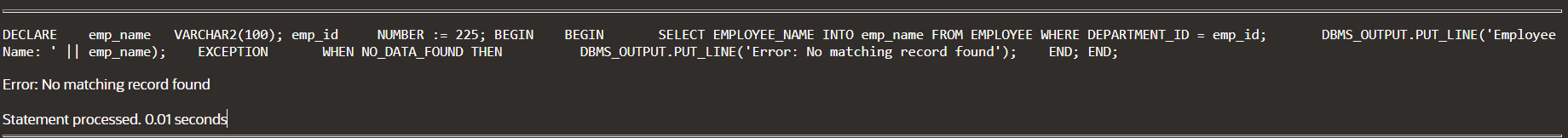
EXCEPTION

WHEN NO\_DATA\_FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('Error: No matching record found');

END;

END;



**Handle the INVALID\_NUMBER exception when converting a non-numeric value to a number.**

DECLARE

v\_input VARCHAR2(10) := 'abc';

v\_number NUMBER;

BEGIN

BEGIN

v\_number := TO\_NUMBER(v\_input);

DBMS\_OUTPUT.PUT\_LINE('Conversion successful. Number: ' || v\_number);

EXCEPTION

WHEN INVALID\_NUMBER THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Invalid number');

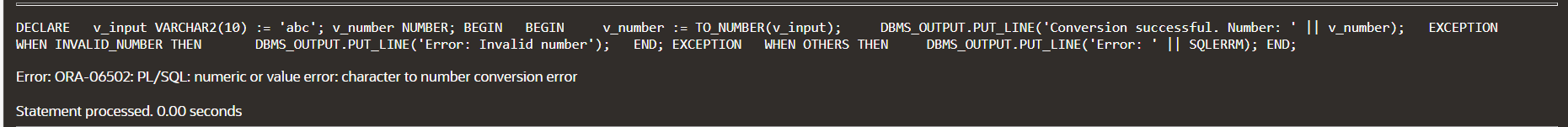
END;

EXCEPTION

WHEN OTHERS THEN

DBMS\_OUTPUT.PUT\_LINE('Error: ' || SQLERRM);

END;



**Handle the DUP\_VAL\_ON\_INDEX exception when inserting a duplicate value into a table with a unique constraint.**

DECLARE

v\_duplicate\_value NUMBER := 125;

BEGIN

INSERT INTO PERSON2 (DEPARTMENT\_id) VALUES (v\_duplicate\_value);

DBMS\_OUTPUT.PUT\_LINE('Insertion successful.');

EXCEPTION

WHEN DUP\_VAL\_ON\_INDEX THEN

DBMS\_OUTPUT.PUT\_LINE('Error: Duplicate value already exists.');

END;

