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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | Arina Marchenko | 4-DEC-2017 |  |  |

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# 

# Table Functions

Table functions are functions that produce a collection of rows (either a nested table or a varray) that can be queried like a physical database table. You use a table function like the name of a database table, in the FROM clause of a query. A table function can take a collection of rows as input.

CREATE OR REPLACE TYPE TypeFunction

AS

OBJECT

(ID NUMBER,

Name VARCHAR(60),

DepCode NUMBER,

Salary NUMBER );

/

CREATE TYPE t\_tab IS TABLE OF t\_row;

/

CREATE OR REPLACE TYPE TableFunction AS TABLE OF TypeFunction;

/

CREATE OR REPLACE

FUNCTION MyFnct

(deptCode NUMBER) RETURN TableFunction

IS

OutTableParam TableFunction;

BEGIN

SELECT CAST(

MULTISET(SELECT empno,

ename,

deptno,

sal

FROM scott.emp

WHERE deptno != deptcode)

as TableFunction)

INTO outtableparam

FROM dual;

RETURN OutTableParam;

END;

/

SELECT \* FROM TABLE(MyFnct(5));

