

# **UTL FILES PACKAGE:**

**WITH UTL FILE PACKAGE WE CAN WRITE DATA INTO AND READ DATA FROM FILES.**

## **MEMBERS OF UTL FILE PACKAGE:**

### **1.FILE\_TYPE:**

**IT IS A TYPE USED TO DECLARE FILE VARIABLE.**

**SYNTAX:**

**<FILE VARIABLE NAME> UTL\_FILE.FILE\_TYPE;**

### **2.FOPEN ():**

**IT A FUNCTION USED TO OPEN FILE.**

**SYNTAX:**

**<FILE VARIABLE NAME>: = UTL\_FILE.FOPEN(DIRECTORY NAME, <FILE NAME>, MODE);**

**HERE, MODE ARE WRITE (W), READ (R), APPEND(A).**

### **3.PUT\_LINE:**

**IT IS A PROCEDURE USED TO WRITE DATA INTO FILE.**

**SYNTAX:**

**UTL\_FILE.PUT\_LINE (<FILE VARIABLE NAME>, <TYPE DATA>);**

### **4.GET\_LINE:**

**IT IS A PROCEDURE USED TO READ DATA FROM FILE.**

**SYNTAX:**

**UTL\_FILE.GET\_LINE (<FILE VARIABLE NAME>, <STRING VARIABLE>);**

## **5.FCLOSE:**

**IT IS PROCEDURE USED TO CLOSE FILE.**

**SYNTAX:**

**UTL\_FILE.FCLOSE(<FILE VARIABLE NAME>);**

**EX:**

**SQL> CONN SYSTEM/MANAGER;**

**CONNECTED.**

**SQL> GRANT CREATE ANY DIRECTORY TO SCOTT;**

**GRANT SUCCEEDED.**

**SQL> CONN SCOTT/TIGER;**

**CONNECTED.**

**SQL> CREATE DIRECTORY XYZ AS 'E:\SUDHAKAR';**

**DIRECTORY CREATED.**

**SQL> CONN SYSTEM/MANAGER;**

**CONNECTED.**

**SQL> GRANT READ, WRITE ON DIRECTORY XYZ TO SCOTT;**

**GRANT SUCCEEDED.**

**EX1: PROGRAM TO WRITE DATA INTO TEXT FILE?**

**SQL> DECLARE**

**FV UTL\_FILE.FILE\_TYPE;**

**BEGIN**

**FV: =UTL\_FILE.FOPEN('XYZ','FILE1.TXT','W');**

**UTL\_FILE.PUT\_LINE(FV,'HELLO');**

**UTL\_FILE.FCLOSE(FV);**

**END;**

**/**

## **EX2: PROGRAM TO READ DATA FROM TEXT FILE?**

**SQL>DECLARE**

```
FV UTL_FILE.FILE_TYPE;  
S VARCHAR2(1000);  
BEGIN  
FV: =UTL_FILE.FOPEN('XYZ','FILE1.TXT','R');  
LOOP  
UTL_FILE.GET_LINE (FV, S);  
DBMS_OUTPUT.PUT_LINE(S);  
END LOOP;  
EXCEPTION  
WHEN NO_DATA_FOUND THEN  
UTL_FILE.FCLOSE(FV);  
END;  
/
```

**OUTPUT:**

**HELLO**

## **EX3: PROGRAM TO WRITE EMPLOYEE DATA INTO TEXT FILE?**

**DECLARE**

```
F1 UTL_FILE.FILE_TYPE;  
TYPE EMP_ARRAY IS TABLE OF EMP%ROWTYPE;  
E EMP_ARRAY;  
BEGIN  
F1: =UTL_FILE.FOPEN('XYZ','EMP.TXT','W');  
SELECT * BULK COLLECT INTO E FROM EMP;  
FOR I IN E. FIRST..E.LAST  
LOOP  
UTL_FILE.PUT_LINE (F1, E(I). EMPNO||','||E(I). ENAME||','||E(I).  
SAL);  
END LOOP;
```

```
UTL_FILE.FCLOSE(F1);  
END;  
/
```

#### **EX4: PROGRAM TO READ EMPLOYEE DATA FROM TEXT FILE:**

```
DECLARE  
F1 UTL_FILE.FILE_TYPE;  
S VARCHAR2(1000);  
BEGIN  
F1: =UTL_FILE.FOPEN('XYZ','EMP.TXT','R');  
LOOP  
UTL_FILE.GET_LINE (F1, S);  
DBMS_OUTPUT.PUT_LINE(S);  
END LOOP;  
EXCEPTION  
WHEN NO_DATA_FOUND THEN  
UTL_FILE.FCLOSE(F1);  
END;  
/
```

#### **NOTE:**

**TO VIEW DIRECTORY RELATED TO PHYSICAL PATH THEN USE THE FOLLOWING**

**DATADICTIONARY IS "ALL\_DIRECTORIES ".**

#### **EX:**

```
SQL> DESC ALL_DIRECTORIES;  
SQL> SELECT DIRECTORY_NAME, DIRECTORY_PATH FROM  
ALL_DIRECTORIES;
```

**DIRECTORY\_NAME**

-----

**XYZ**

**DIRECTORY\_PATH**

-----

**E:\SUDHAKAR**

**SYNTAX TO DROP DIRECTORY:**

**SQL> DROP DIRECTORY <DIRECTORY NAME>;**

**EX:**

**SQL> DROP DIRECTORY XYZ;**