Tablespaces in Oracle

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Subject: Advanced Database Systems Labs

Experiment No.: 4

--Q1

a)

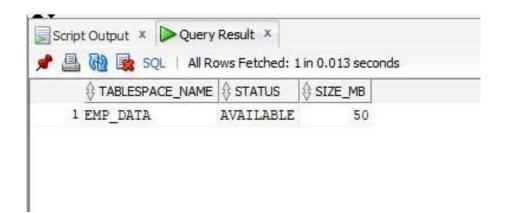
CREATE TABLESPACE emp_data DATAFILE 'C:\ads\exp4.dbf' size 20m;

b)

SELECT tablespace_name, status, bytes /1024 /1024 AS size_mb

FROM dba_data_files

WHERE tablespace_name='EMP_DATA';



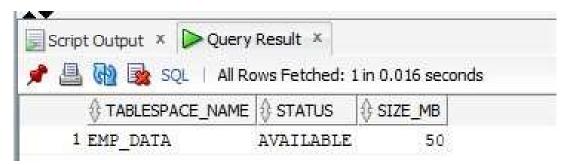
a)

ALTER DATABASE DATAFILE 'C:\ads\exp4.dbf' RESIZE 50M;

b)

SELECT tablespace_name, status, bytes /1024 /1024 AS size_mb FROM dba_data_files

WHERE tablespace name='EMP DATA';



--Q3

a)

CREATE TEMPORARY TABLESPACE temp_data TEMPFILE 'C:\ads\temp_exp4.dbf' SIZE 20M;

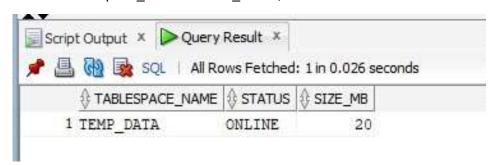
ALTER DATABASE

DEFAULT TEMPORARY TABLESPACE temp_data;

b)

SELECT tablespace_name, status, bytes /1024 /1024 AS size_mb FROM dba_temp_files

WHERE tablespace_name='TEMP_DATA';



a)

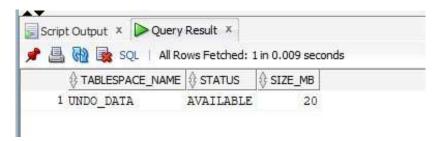
CREATE UNDO TABLESPACE undo data DATAFILE 'C:\ads\undo exp4.dbf' size 20m;

b)

SELECT tablespace_name, status, bytes /1024 /1024 AS size_mb

FROM dba_data_files

WHERE tablespace_name='UNDO_DATA';



--Q5

a)

ALTER session set"_ORACLE_SCRIPT"=TRUE;

CREATE USER HR USER IDENTIFIED BY HR USER

DEFAULT TABLESPACE EMP DATA

QUOTA 10M ON EMP DATA;

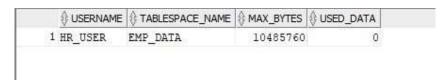
b)

Grant CREATE SESSION, CREATE TABLE to HR_USER;

c)

SELECT USERNAME, TABLESPACE_NAME, MAX_BYTES, BYTES AS USED_DATA FROM DBA_TS_QUOTAS

WHERE USERNAME = 'HR USER';



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--Q6)
a)
CONNECT HR_USER/HR_USER;
b)
CREATE TABLE employee (emp_id int, emp_name VARCHAR(20),
emp address VARCHAR(20)) TABLESPACE EMP DATA;
c)
INSERT INTO employee VALUES(1,'Ram','kolhapur');
INSERT INTO employee VALUES(2,'sham','kolhapur');
INSERT INTO employee VALUES(3,'Parth','kolhapur');
INSERT INTO employee VALUES(4,'kedar','sangli');
INSERT INTO employee VALUES(5,'Akash','satara');
d)
SELECT USERNAME, TABLESPACE NAME, MAX BYTES, BYTES AS USED DATA
FROM DBA TS QUOTAS
WHERE USERNAME = 'HR USER';
     1 HR USER
              EMP DATA
                              10485760
SELECT TABLESPACE Name, SUM (bytes)/1024 /1024 as free space mb
from dba free space
where TABLESPACE_Name='EMP_DATA'
GROUP BY TABLESPACE Name;
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--Q7

a)

TABLESPACE emp_data OFFLINE;

SELECT tablespace name, status

FROM dba tablespaces

WHERE tablespace_name = 'EMP_DATA';



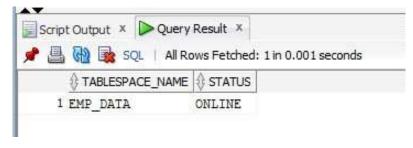
b)

TABLESPACE emp_data ONLINE;

SELECT tablespace_name, status

FROM dba tablespaces

WHERE tablespace_name = 'EMP_DATA';



c)

-- Remove the quota for HR_USER

ALTER USER hr_user QUOTA 0 ON emp_data;

-- Verify the quota removal

SELECT

USERNAME,

TABLESPACE_NAME,

MAX_BYTES,

BYTES AS USED_DATA

FROM

DBA_TS_QUOTAS

WHERE

USERNAME = 'HR_USER';

