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Some Important Queries for an Apps DBA/DBA

- **Query to find Database Size**
  The database mainly comprises of datafiles, temp files and redo log files.
  The biggest portion of a database's size comes from the datafiles.

  To find out how many megabytes are allocated to all datafiles:

  SELECT sum(bytes)/1024/1024 data_size FROM dba_data_files;

- **Query to get the size of all TEMP files:**

  SELECT nvl(sum(bytes),0)/1024/1024 temp_size FROM dba_temp_files;

- **Query to get the size of the on-line redo-logs:**

  SELECT sum(bytes)/1024/1024 redo_size FROM sys.v_$log;

  Finally, summing up the three above, total database size can be found:

  SELECT (dsize.data_size + tsize.temp_size + rsize.redo_size)/1024/1024
  "total_size"
  FROM (SELECT sum(bytes) data_size
  FROM dba_data_files) dsize,
  (SELECT nvl(sum(bytes),0) temp_size
  FROM dba_temp_files) tsize,
  (SELECT sum(bytes) redo_size
  FROM sys.v_$log) rsize;

- **Query to find space used by a database user.**
  Following query can be used to know the space used by the logged in user in MBs:

  SELECT sum(bytes)/1024/1024 user_size FROM user_segments;

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- **Query to find the space occupied by all the users in a database.**
  This requires access to dba_segments table:

  SELECT owner, sum(bytes)/1024/1024 total_size FROM dba_segments
  GROUP BY owner ORDER BY total_size DESC;

  Total space occupied by all users:

  SELECT sum(bytes)/1024/1024 total_size FROM dba_segments;

- **Query to find free space in temporary tablesapce:**

  SELECT tablespace_name,SUM(bytes_used),SUM(bytes_free) FROM
  V$temp_space_header GROUP BY tablespace_name;

- **Script to find Table size in a database.**

  select sum(BYTES/1024/1024) as TOTAL_GIG from user_segments where
  SEGMENT_NAME = 'TABLE_NAME';

  Please Note: Need to execute as owner of the table.