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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 tablespace:**

```
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.