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***Practice 1-1: Exploring the Oracle Database Architecture***

Fill in the blanks with the correct answers.

1. The two main components of a basic Oracle Database system:

**Oracle database and a Oracle database instance.**

1. **The instance consists of memory structures and background processes.**
2. A session is a connection between the user process and the server

process.

1. Name the main components of the SGA:

* **Shared pool**
* Database Buffer cache
* Redo log buffer
* Keep buffer pool
* Recycle buffer pool
* nK buffer cache
* Streams pool
* Java pool
* Large pool

1. List six of the many background processes an Oracle Database instance might have:

* ohas
* ocssd
* diskmon
* orarootagent
* oraagent
* cssdagent

1. The **Database writer** process writes the dirty buffers to the data files.
2. The \_**Log Writer**\_\_process writes the redo entries to the online redo log

files.

8) The primary files associated with an Oracle database are:

* Cotrol files
* Data file
* Online redo log fies

Additional important files are:

* Parameter file
* Password file
* Backup file
* Archived redo log file

1. The logical storage structures of an Oracle database are:

* Databases
* Tablespaces
* Segment
* Exteat
* Orace data block

1. The **Archiver** process copies the redo log files to an archive destination.
2. The **PGA:** Memory regions that contains data and control information for a server or

background process.

1. The logical tablespace structure is associated with the physical space files on disk.
2. LGWR writes when:

* When a user process commits a transaction
* When the redo log buffer is one-third full
* Before a DBWn process writes modified buffers to disk
* Every 3 seconds

1. State whether the following statements are true or false.
2. The SGA includes the Database buffer cache and Redo log buffer. **F**
3. Each server process has its own PGA.**T**
4. The buffers in the database buffer cache are organized in two lists: the most

recently used list and the least recently used (LRU) list.**F**

1. User processes run the application or tool that connects to an Oracle Instance**.F**
2. Oracle Database processes include server processes and background processes**.T**
3. Checkpoints are recorded in log file headers**.F**