



Exam Code: 1z0-046

Exam Name: Oracle Database 10g: Managing Oracle on
Linux for DBAs

Vendor: Oracle

Version: DEMO

Part: A

1: View the Exhibit.

Which two statements are true about the output of the `cat /proc/partitions` command? (Choose two.)

```
[root@edtdr6p1 proc]# cat /proc/partitions
major minor #blocks name      rio rmerge rsect ruse wio wmerge wsect wuse running use aveq
3 0 78125000 hda 69108 148589 1709256 653390 303406 701093 7977289 9246800 4294967207
33940647 39310863
3 1 24579418 hda1 2636 688 3596 8330 155 9642 9797 19130 0 8250 27460
3 2 24097 hda2 49 581 1260 330 34 23 116 15390 0 8270 15720
3 3 2048287 hda3 1237 98 10128 5280 1190 11121 98592 452270 0 134030 457550
3 4 1 hda4 7 0 14 20 0 0 0 0 20 20
3 5 51472228 hda5 65051 146522 1692602 638560 302027 680307 7868784 8760010 0 505850 9
633990
```

- A. The hard disk has four partitions.
- B. The hard disk has six partitions.
- C. The swap partition is not shown in the output.
- D. The major column shows the device number with partitions.
- E. The #blocks column shows the number of inode blocks in that partition.

Correct Answers: A D

2: You find that `oracleasm scandisks` command is not discovering all your ASM disks. Which tool or utility can provide you details about what SCANDISKS is doing?

- A. `strace` utility
- B. OS Watcher (OSW)
- C. System Activity Reporter (sar)
- D. Remote Diagnostics Agent (RDA)

Correct Answers: A

3: Which two statements are correct about the `DB_WRITER_PROCESSES` initialization parameter? (Choose two.)

- A. The default value for `DB_WRITER_PROCESSES` is $(\text{CPU_COUNT}+7)/8$.
- B. You set `DB_WRITER_PROCESSES` to greater than one to simulate asynchronous input/output (I/O).
- C. You cannot set `DB_WRITER_PROCESSES` to greater than one if asynchronous I/O is enabled for the Oracle server.
- D. You cannot set `DB_WRITER_PROCESSES` to greater than one if the `DBWR_IO_SLAVES` initialization parameter is set to greater than zero.
- E. You must set an appropriate value for the `LOG_PARALLELISM` initialization parameter before modifying the default value for `DB_WRITER_PROCESSES`.

Correct Answers: A D

4: Which two statements are true regarding the Automatic Storage Management (ASM) instance created on a Linux machine? (Choose two.)

- A. You can allocate only a whole disk for ASM.
- B. You can perform an RMAN backup of the ASM disks.

- C.You cannot change the redundancy of the diskgroups.
- D.You can have only one ASM instance on one Linux machine.

Correct Answers: C D

5: Given below are the configuration changes done to set a hard limit for system resources:

- 1) Edit the limit.conf file in the /etc/security directory.
- 2) Edit the .bash_profile file.
- 3) Edit the login file in the /etc/pam.d directory.
- 4) Issue the ulimit command.

Identify the steps that are required.

- A.1, 2, 3, 4
- B.1 and 2; 3 and 4 not required
- C.1 and 3; 2 and 4 not required
- D.2 and 4; 1 and 3 not required

Correct Answers: C

6: Which statement correctly describes the relationship between the DB_WRITER_PROCESSES initialization parameter and I/O slaves that are enabled in the Oracle database instance?

- A.Setting DB_WRITER_PROCESSES to more than one reduces DBWR_IO_SLAVES to one.
- B.Enabling I/O slaves forces the value of the DB_WRITER_PROCESSES parameter to be set to one.
- C.Each DBWR process uses a single I/O slave when DB_WRITER_PROCESSES is set to more than one.
- D.The database performance is directly proportional to the number of I/O slaves when DB_WRITER_PROCESSES is set to more than one.

Correct Answers: B

7: View the Exhibit.

Examine the highlighted entry in the /etc/fstab file. Which two statements are true about this entry? (Choose two.)

```

root@incq101f:~
none /dev/pts devpts gid=5,mode=620 0 0
none /proc proc defaults 0 0
none /dev/shm tmpfs rw,size=8g 0 0
/dev/hda6 swap swap defaults 0 0
/dev/cdrom /mnt/cdrom udf,iso9660 noauto,owner,kudzu 0
/dev/fd0 /mnt/floppy auto noauto,owner,kudzu 0
/dev/hda3 /oracle auto defaults 0

```

- A.The entry sets the size of the shared memory segment.
- B.The entry creates a shared memory file system on /dev/shm.
- C.The entry enables bigpages for the shared memory file system.
- D.When a database instance is started with the extended buffer cache enabled, then /dev/shm corresponds to the database buffer cache.

Correct Answers: B D

8: Which command can you execute to display the statistics of total memory, swap usage, and

adjustments to free and used memory?

- A.top
- B.sar
- C.free
- D.sysstat
- E.cat /proc/meminfo

Correct Answers: C

9: Which two measures can you take to reduce input/output (I/O) as a bottleneck? (Choose two.)

- A.Install a single-bus adapter.
- B.Tune the application and memory.
- C.Balance I/O across drives and controllers.
- D.Place redo logs and datafiles on the same disk.
- E.Maximize the number of stripe columns in RAID 5.

Correct Answers: B C

10: View the Exhibit and examine the output.

What do you infer from this? (Choose all that apply.)

```
[root@edtdr6p1 oracle]# ps -ef| grep _pmon |tee pmon.txt
oracle  4724      1  0 Dec12 ?          00:00:00 ora_pmon_orcl
root    8645    3886  0 03:07 pts/1    00:00:00 grep _pmon
```

- A.The command output is stored in the pmon.txt file.
- B.The command shows all the processes running on the machine.
- C.The command appends the pmon.txt file with the output of the command.
- D.The command shows only those processes that contain the text _pmon running on your machine.
- E.The logs generated while executing the command will be stored in the pmon.txt file.

Correct Answers: A D

11: You executed the following command on a Linux machine:

```
$ cat /proc/slabinfo | grep kio
```

```
kiotx           270    270      128      9    9    1: 252 126
kiocb           66080  66080    96 1652 1652    1: 252 126
kiobuf           236    236      64      4    4    1: 252 126
```

Which statement describes the purpose of executing the command?

- A.to check the virtual memory usage in the Linux system
- B.to compare the I/O statistics of different channels in the system
- C.to check whether the asynchronous I/O is working in the Linux system
- D.to check whether multiple data bus adapters are being used in the Linux system
- E.to check whether the shared memory file system is being used in the Linux system

Correct Answers: C

12: You installed ASMLib software on your Linux machine successfully. The disk had two partitions. You repartitioned the disk and created a single, whole disk partition, and then performed the following operations for making the ASM disk available for an ASM instance:

- 1) Create an ASM disk by using the oracleasm script with the createdisk argument.
- 2) Execute the oracleasm script with the scandisk argument.
- 3) Execute the oracleasm script with configure and enable arguments.
- 4) Execute the partprobe command.

Which is the correct sequence of performing these operations?

- A.4, 1, 3, 2
- B.3, 2, 1, 4
- C.2, 4, 3, 1
- D.4, 3, 1, 2

Correct Answers: D

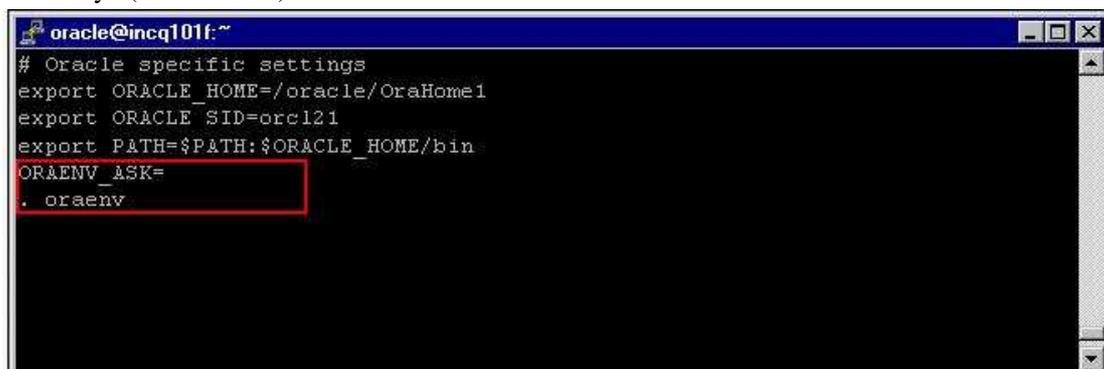
13: In an online transaction processing (OLTP) database, a large number of concurrent users are performing small transactions on a specific schema. You observe the statistics and find that total_waits for buffer busy event is increasing significantly. You are in the process of creating another OLTP database with similar workload. What would you do to avoid the wait event in the new database?

- A.Consider setting a larger value for DB_BLOCK_SIZE for the database.
- B.Consider setting a smaller value for DB_BLOCK_SIZE for the database.
- C.Consider setting a larger value for the DB_CACHE_SIZE parameter for the database.
- D.Consider using the DB_BLOCK_BUFFERS parameter instead of the DB_CACHE_SIZE parameter for the database.

Correct Answers: B

14: View the Exhibit and examine the highlighted entry.

You added a call to the oraenv script in a user's login script. Which two statements are true about this entry? (Choose two.)



```
oracle@incq101f:~  
# Oracle specific settings  
export ORACLE_HOME=/oracle/OraHome1  
export ORACLE_SID=orc121  
export PATH=$PATH:$ORACLE_HOME/bin  
ORAENV_ASK=  
. oraenv
```

- A.The entry will run the oraenv script in the current shell.
- B.The entry will prompt the user for ORACLE_SID that the user wants to set.
- C.The entry will call another script orainst to verify Oracle environment variables.
- D.The entry will set up the ORACLE_HOME environment variable without prompting the user.

Correct Answers: A B

15: View the Exhibit and examine the partial content from the /proc/meminfo file.

Which statement is true regarding the SwapCached value in the output?

```
Buffers:          100472 kB
Cached:           674984 kB
SwapCached:       15840 kB
Active:           756528 kB
ActiveAnon:       322432 kB
ActiveCache:      434096 kB
Inact_dirty:      151224 kB
Inact_laundry:    26920 kB
Inact_clean:      18632 kB
Inact_target:    190660 kB
HighTotal:        129472 kB
HighFree:         2108 kB
LowTotal:         896500 kB
LowFree:          14316 kB
SwapTotal:        2048276 kB
```

- A. This is the amount of swap free memory.
- B. This is the memory allocated for the page table.
- C. This is the memory waiting to be written back to the disk.
- D. This is the memory that can be overwritten without being swapped out because it is already in the swap file.

Correct Answers: D

16: You updated the content of the /etc/fstab file in the system for the directory that contains the Oracle database files, with the following highlighted change:

```
/dev/hdb4 /u1/app/oracle/ ext3 rw,noatime 1 1
```

The purpose of this change is to _____.

- A. reduce the number of I/Os
- B. enable asynchronous I/O in the file system
- C. avoid the use of shared memory file system
- D. calculate the checksum before writing the data block to disk

Correct Answers: A

17: You recently joined a company as a DBA. You have the Oracle Database 10g software already installed on Linux machine. You want to know the following information:

- 1) The record of the Oracle software installed on the machine
- 2) The operating system (OS) group that owns the Oracle software

What would you do to find this information?

- A. View the contents of the /etc/oratab file.
- B. View the contents of the /etc/orainst.loc file.
- C. View the contents of the OracleHomeList.ser file in the /u01/app/oracle/orainventory directory.
- D. View the contents of the oraInstaller.properties file in the /u01/app/oracle/orainventory directory.

Correct Answers: B

18: A portion from the output of the sar -B 2 3 command is shown below:

```
02:48:16 AM  inactypg  inactnpg  inatargp
02:48:18 AM      34328      4370      45428
02:48:20 AM      34329      4366      45431
02:48:22 AM      34331      4366      45512
Average:          34329      4367      45457
```

Which statement describes the significance of the value in the inatargp column, if it is growing consistently?

- A.The demand rate for physical memory is increasing.
- B.The active use of page cache memory is decreasing.
- C.The amount of physical RAM left unused by the system is increasing.
- D.There are enough number of inactive pages available in physical memory.

Correct Answers: A

19: What are the two advantages of using a file system that supports journaling characteristics on a Linux machine? (Choose two.)

- A.It provides increased security from unauthorized user access.
- B.It enables you to recover from a file system crash by using a journal file.
- C.It makes the booting process faster because the fsck command checks the file system quickly using a journal file.
- D.It makes database write operations fast because writes to the disk are verified by the file system not by the Oracle database.

Correct Answers: B C

20: View the Exhibit and examine the parameters.

You receive the following error while starting the Oracle database instance:

ORA-00385: cannot enable Very Large Memory with new buffer cache parameters

How can you solve this problem?

NAME	TYPE	VALUE
db_16k_cache_size	big integer	0
db_2k_cache_size	big integer	0
db_32k_cache_size	big integer	0
db_4k_cache_size	big integer	0
db_8k_cache_size	big integer	0
db_cache_advice	string	ON
db_cache_size	big integer	104758600
db_keep_cache_size	big integer	0
db_recycle_cache_size	big integer	0
object_cache_max_size_percent	integer	10
object_cache_optimal_size	integer	102400
session_cached_cursors	integer	20
buffer_pool_keep	string	
buffer_pool_recycle	string	
db_block_buffers	integer	0
log_buffer	integer	0
use_indirect_data_buffers	boolean	TRUE
sga_target	big integer	0

A.Implement hugepage in the system.

B.Set the SGA_TARGET parameter to a nonzero value.

C.Set at least one of the DB_nK_CACHE parameters to a nonzero value.

D.Set the DB_BLOCK_BUFFERS parameter to a nonzero value and set the DB_CACHE_SIZE parameter to zero.

Correct Answers: D