FREE COMMAND

free command which displays the total amount of free space available along with the amount of memory used and swap memory in the system, and also the buffers used by the kernel.

		Using free Command						
[root@viv	vek ~]# free							
	total	used	free	shared	buff/cache	available		
Mem:	1843832	308332	1205404	17524	330096	1363756		
Swap:	2097148	0	2097148					

where column:

- 1. total displays the total installed memory (MemTotal and SwapTotal i.e present in /proc/meminfo).
- 2. used displays the used memory.
- 3. free displays the unused memory.
- 4. shared displays the memory used by tmpfs (Shmen i.epresent in /proc/meminfo and displays zero in case not available).
- 5. buffers display the memory used by kernel buffers.
- 6. cached displays the memory used by the page cache and slabs (Cached and Slab available in /proc/meminfo).
- 7. buffers/cache displays the sum of buffers and cache.

	Using -k: T	his optior	n displays	the resu	ılt in kiloby	/tes
[root@vi	vek ~]# free -	k				
	total	used	free	shared	buff/cache	available
Mem:	1843832	310136	1203228	17524	330468	1361916
Swap:	2097148	0	2097148			

	Using -m: Th	is option	displays	the resu	ult in mega	abytes
[root@vi	vek ~]# free -m					
	total	used	free	shared	buff/cache	available
Mem:	1800	302	1175	17	322	1330
Swap:	2047	0	2047			

l	using -g: Th i	is option o	displays t	he resul	t in gigaby	rtes
[root@vive	ek ~]# free -g					
	total	used	free	shared	buff/cache	available
Mem:	1	0	1	0	0	1
Swap:	_ 1	0	1			

Using -1	t (total): Th		displays a otal of the		onal line co	ontaining
[root@vive	k ~]# free -	t				
	total	used	free	shared	buff/cache	available
Mem:	1843832	308980	1204376	17524	330476	1363072
Swap:	2097148	0	2097148			
Total:	3940980	308980	3301524			

FREE COMMAND

Using -s and -o: This option allows you to display the output of free command after a set time gap given by the user

[root@vivek	~]# free -	-s 2 -c 3				
	total	used	free	shared	buff/cache	available
Mem:	1843832	307864	1203656	17524	332312	1364168
Swap:	2097148	0	2097148			
	total	used	free	shared	buff/cache	available
Mem:	1843832	307864	1203656	17524	332312	1364168
Swap:	2097148	0	2097148			
	total	used	free	shared	buff/cache	available
Mem:	1843832	307832	1203688	17524	332312	1364200
Swap:	2097148	0	2097148			

It displays version info and exit.

[root@vivek ~] # free -V free from procps-ng 3.3.15

