**1. Find Files Using Name in Current Directory**

Find all the files whose name is **tecmint.txt** in a current working directory.

**# find . -name tecmint.txt**

./tecmint.txt

**2. Find Files Under Home Directory**

Find all the files under **/home** directory with name **tecmint.txt**.

**# find /home -name tecmint.txt**

/home/tecmint.txt

**3. Find Files Using Name and Ignoring Case**

Find all the files whose name is **tecmint.txt** and contains both capital and small letters in **/home** directory.

**# find /home -iname tecmint.txt**

./tecmint.txt

./Tecmint.txt

**4. Find Directories Using Name**

Find all directories whose name is **Tecmint** in **/** directory.

**# find / -type d -name Tecmint**

/Tecmint

**5. Find PHP Files Using Name**

Find all **php** files whose name is **tecmint.php** in a current working directory.

**# find . -type f -name tecmint.php**

./tecmint.php

**6. Find all PHP Files in Directory**

Find all **php** files in a directory.

**# find . -type f -name "\*.php"**

./tecmint.php

./login.php

./index.php

**Part II – Find Files Based on their Permissions**

**7. Find Files With 777 Permissions**

Find all the files whose permissions are **777**.

**# find . -type f -perm 0777 -print**

**8. Find Files Without 777 Permissions**

Find all the files without permission **777**.

**# find / -type f ! -perm 777**

**9. Find SGID Files with 644 Permissions**

Find all the **SGID bit** files whose permissions set to **644**.

# find / -perm 2644

**10. Find Sticky Bit Files with 551 Permissions**

Find all the **Sticky Bit** set files whose permission are **551**.

**# find / -perm 1551**

**11. Find SUID Files**

Find all **SUID** set files.

**# find / -perm /u=s**

**12. Find SGID Files**

Find all **SGID** set files.

**# find / -perm /g+s**

**13. Find Read Only Files**

Find all **Read Only** files.

**# find / -perm /u=r**

**14. Find Executable Files**

Find all **Executable** files.

**# find / -perm /a=x**

**15. Find Files with 777 Permissions and Chmod to 644**

Find all **777** permission files and use **chmod** command to set permissions to **644**.

**# find / -type f -perm 0777 -print -exec chmod 644 {} \;**

**16. Find Directories with 777 Permissions and Chmod to 755**

Find all **777** permission directories and use **chmod** command to set permissions to **755**.

**# find / -type d -perm 777 -print -exec chmod 755 {} \;**

**17. Find and remove single File**

To find a single file called **tecmint.txt** and remove it.

**# find . -type f -name "tecmint.txt" -exec rm -f {} \;**

**18. Find and remove Multiple File**

To find and remove multiple files such as **.mp3** or **.txt**, then use.

**# find . -type f -name "\*.txt" -exec rm -f {} \;**

OR

**# find . -type f -name "\*.mp3" -exec rm -f {} \;**

**19. Find all Empty Files**

To file all empty files under certain path.

**# find /tmp -type f -empty**

**20. Find all Empty Directories**

To file all empty directories under certain path.

**# find /tmp -type d -empty**

**21. File all Hidden Files**

To find all hidden files, use below command.

**# find /tmp -type f -name ".\*"**

**Part III – Search Files Based On Owners and Groups**

**22. Find Single File Based on User**

To find all or single file called **tecmint.txt** under **/** root directory of owner root.

**# find / -user root -name tecmint.txt**

**23. Find all Files Based on User**

To find all files that belongs to user **Tecmint** under **/home** directory.

**# find /home -user tecmint**

**24. Find all Files Based on Group**

To find all files that belongs to group **Developer** under **/home** directory.

**# find /home -group developer**

**25. Find Particular Files of User**

To find all **.txt** files of user **Tecmint** under **/home** directory.

**# find /home -user tecmint -iname "\*.txt"**

**Part IV – Find Files and Directories Based on Date and Time**

**26. Find Last 50 Days Modified Files**

To find all the files which are modified **50** days back.

**# find / -mtime 50**

**27. Find Last 50 Days Accessed Files**

To find all the files which are accessed **50** days back.

**# find / -atime 50**

**28. Find Last 50-100 Days Modified Files**

To find all the files which are modified more than **50** days back and less than **100** days.

**# find / -mtime +50 –mtime -100**

**29. Find Changed Files in Last 1 Hour**

To find all the files which are changed in last **1 hour**.

**# find / -cmin -60**

**30. Find Modified Files in Last 1 Hour**

To find all the files which are modified in last **1 hour**.

**# find / -mmin -60**

**31. Find Accessed Files in Last 1 Hour**

To find all the files which are accessed in last **1 hour**.

**# find / -amin -60**

**Part V – Find Files and Directories Based on Size**

**32. Find 50MB Files**

To find all **50MB** files, use.

**# find / -size 50M**

**33. Find Size between 50MB – 100MB**

To find all the files which are greater than **50MB** and less than **100MB**.

**# find / -size +50M -size -100M**

**34. Find and Delete 100MB Files**

To find all **100MB** files and delete them using one single command.

**# find / -size +100M -exec rm -rf {} \;**

**35. Find Specific Files and Delete**

Find all **.mp3** files with more than **10MB** and delete them using one single command.

**# find / -type f -name \*.mp3 -size +10M -exec rm {} \;**