

find Command Exercises with Examples

1. Basic name searches

- Find a file named `notes.txt` in your home directory:

```
find ~ -name notes.txt
```

- Find all directories under `/etc`:

```
find /etc -type d
```

- Find all `.conf` files in `/etc`:

```
find /etc -type f -name "*.conf"
```

2. Filtering by file properties

- Find files modified in the last 3 days under `/var/log`:

```
find /var/log -type f -mtime -3
```

- Find files larger than 10 MB:

```
find /home -type f -size +1M
```

- Find empty files and directories:

```
find /tmp -empty
```

3. Using `-exec`

- Delete `.tmp` files in `/tmp` (ask confirmation for each):

```
find /tmp -type f -name "*.tmp" -exec rm {} \;
```

locate Command Exercises with Examples

1. Basic file lookup

- Search for all files containing “passwd”:

```
locate passwd
```

- Find manual pages related to SSH:

```
locate ssh | grep man
```

2. Enhanced control

- Case-insensitive search for “hosts”:

```
locate -i hosts
```

- Limit results to the first 10 matches:

```
locate -n 10 systemd
```

- Count how many matching entries exist:

```
locate -c bashrc
```

- Show files with the exact filename:

```
locate */hosts
```

3. Update and verify

- Update the locate database:

```
sudo updatedb
```

4. whereis

(Binary and man page locations)

- Locate all binary, source, and man paths for `ls`:

```
whereis ls
```

- Show locations for `bash`:

```
whereis bash
```

- Check if Python3 has documentation installed:

```
whereis python3
```