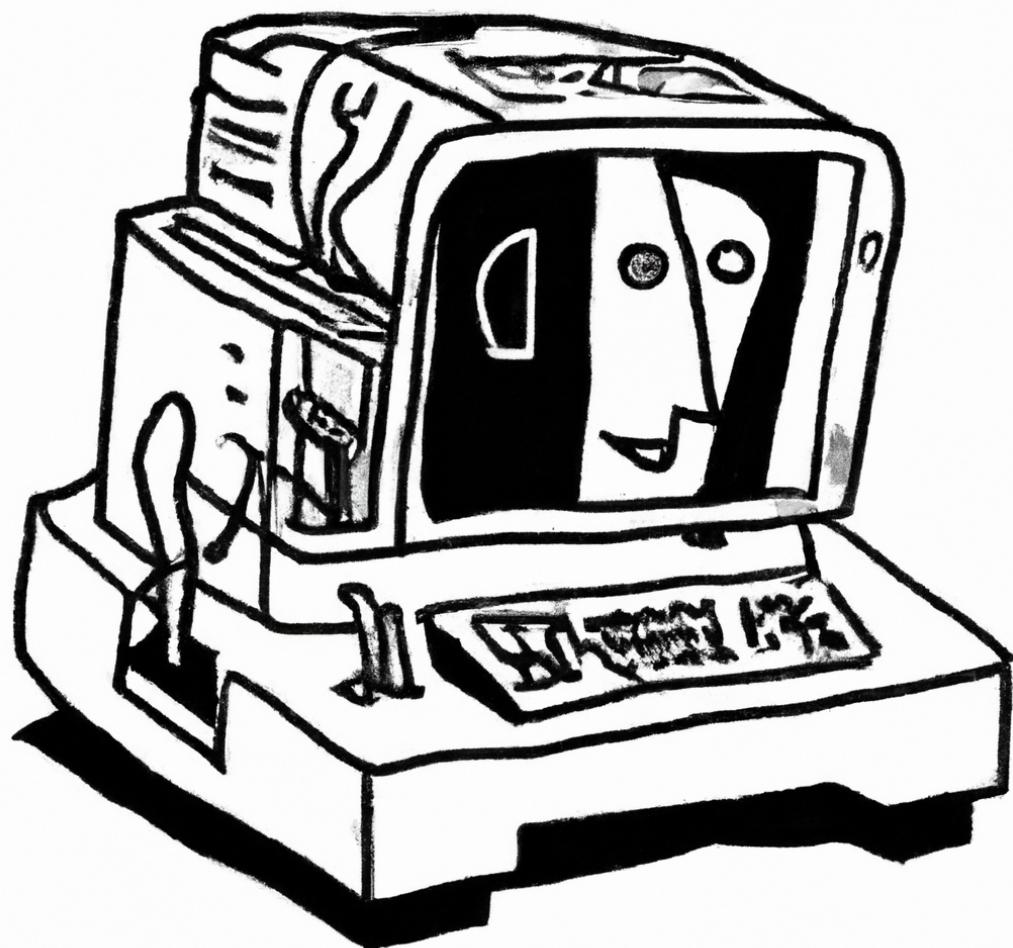




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Advanced Shell



GREP

1. Recursive Search

-R searches all files and dirs in the directory.

```
grep -R "search_text" /home/user/
```



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2. Search doesn't include

-v displays lines that do not match the pattern.

```
grep -v "search_text" filename
```



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3. Count

-c returns the number of lines that match the pattern.

```
grep -c "search_text" filename
```



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4. Line Number

**-n displays the line numbers
with output lines.**

```
grep -n "search_text" filename
```



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5. Ignore capitalization

-i makes the search case insensitive.

```
grep -i "search_text" filename
```



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6. Extended

Regexp

-E lets you use additional regular expression features.

```
grep -E 'pattern1|pattern2' filename
```

This command will **search** for lines **containing** either "pattern1" or "pattern2".



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7. File pattern

-include, --exclude specify search based on filename.

```
grep -R --include="*.txt"  
"search_text" /home/user/
```

This will search recursively but only look files ending with **".txt"**.



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8. Word-Regexp

-w only returns lines where the pattern matches the whole “word”.

```
grep -w "search_text" filename
```

In you're looking for "log", it won't return "blog" or "logic" because "log" is not a whole word in these instances.



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9. After & Before

Print the lines that appear after (-A), before (-B), or on either side (-C) of the matching pattern.

```
grep -A 5 -B 5 "search_text" filename
```

This command will print out 5 lines before and after each line that matches "search_text".



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