

More on Grep

1. Print all the lines having the word "pattern".

```
└─$ grep "Pattern" a.txt
Pattern3 is useful for searching.
```

2. Pick out the blank lines in the file

```
└─$ grep -E '^$' a.txt
```

3. Count total number of empty lines in the file.

```
└─$ grep -c '^$' a.txt
17
```

4. Print the line which have both "Sir and Madam".

```
└─$ grep -E "Sir.*Madam|Madam.*Sir" a.txt
```

```
Dear Sir and Madam, we would like to inform you.  
Sir and Madam should both be addressed.
```

5. pick out lines with "pattern1" "pattern2" or "pattern3". (use the alternator |)

```
└─$ grep -E "pattern1|pattern2|pattern3" a.txt
```

```
pattern1 is found here.  
This line includes pattern2.  
pattern1, pattern2, and pattern3 should match with alternation.
```

6. pick out lines that have at least two p's followed by any number of letters followed by 'ore'. The p's do not have to be next to each other.

```
└─$ grep -E "p.*p.*ore" a.txt
```

```
This line has pepper and is also properstore for tests.  
persistence ore, explore and adore.
```

7. pick out all the lines with v, z or l in them

```
└─$ grep -E "[vz]" a.txt
```

```
Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.  
pattern matching is a key technique.  
pattern1 is found here.  
this line includes pattern2.  
pattern3 is useful for searching.  
pattern has been mentioned in this line.  
Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.  
Dear Sir and Madam, we would like to inform you.  
this line has pepper and is also properstore for tests.  
this line has no punctuation  
this line ends with a dash-  
this line does not.  
vexing and bizarre incidents were reported.  
there is another example line.  
finding ferns and flowers.  
first and foremost.  
find the fortune in failures.  
Success is the sum of small efforts - repeated day in and day out.  
Success is achieved by those with discipline and dedication.  
Sir and Madam should both be addressed.  
rav is not here.  
persistence ore, explore and adore.  
another line to test character limits beyond 40 characters indeed. Just another line.  
lorem ipsum dolor sit amet, consectetur adipiscing elit.  
What a wonderful world of wonder and wisdom.  
this Line has an Uppercase letter but not at the start.  
pattern1, pattern2, and pattern3 should match with alternation.  
there are empty lines above and below.
```

8. pick out all the lines that do not start with an uppercase letter.

```
└─$ grep -E "^[^A-Z]" a.txt
```

```
pattern matching is a key technique.  
pattern1 is found here.  
pattern has been mentioned in this line.  
pattern pattern pattern  
there is another example line.  
rav is not here.  
persistence ore, explore and adore.  
this Line has an Uppercase letter but not at the start.  
pattern1, pattern2, and pattern3 should match with alternation.  
there are empty lines above and below.  
---
```

9. pick out all the lines that end with a dash –

```
└─$ grep -E "\-$" a.txt
```

```
This line ends with a dash-  
--
```

10. pick out all the words that end with ore

```
└─$ grep -o "\b\w*ore\b" a.txt
```

```
properstore  
ore  
explore  
adore
```

11. pick out all the words that start with f or F

```
└─$ grep -o "\b[fF]\w*" a.txt
```

```
found  
for  
for  
Finding  
ferns  
flowers  
First  
foremost  
Find  
fortune  
failures
```

12. pick out lines that uses first letter alliteration - starting two words with the same letter.

```
└─$ grep -E "\b(\w)\w*\s+\1\w*" a.txt
```

```
pattern pattern pattern  
Dear Sir and Madam, we would like to inform you.  
Sir and Madam should both be addressed.  
persistence ore, explore and adore.  
Another line to test character limits beyond 40 characters indeed. Just another line.  
What a wonderful world of wonder and wisdom.  
there are empty lines above and below.
```

13. determine how many times contains the word "pattern".

```
└─$ grep -o "pattern" a.txt | wc -l
```

```
10
```

14. to pick out lines with at least 40 characters:

```

L$ grep -E '^.{40,}$' a.txt
Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.
pattern has been mentioned in this line.
Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.
Dear Sir and Madam, we would like to inform you.
This line has pepper and is also properstore for tests.
Vexing and bizarre incidents were reported.
Success is the sum of small efforts - repeated day in and day out.
Success is achieved by those with discipline and dedication.
Another line to test character limits beyond 40 characters indeed. Just another line.
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
What a wonderful world of wonder and wisdom.
this Line has an Uppercase letter but not at the start.
pattern1, pattern2, and pattern3 should match with alternation.

```

15. to pick out lines with no punctuation

```

L$ grep -E '^[^[:punct:]]+$' a.txt
Success
pattern pattern pattern
This line has no punctuation

```

16. to pick out lines with an uppercase letter other than the first character. (The first character on the line does not count.)

```

L$ grep -E '^.\\*[A-Z]' a.txt

```

17. To pick out lines without rav

```

L$ grep -v "rav" a.txt
Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.
pattern matching is a key technique.
pattern1 is found here.
This line includes pattern2.
Pattern3 is useful for searching.
pattern has been mentioned in this line.

Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.

Success
pattern pattern pattern

Dear Sir and Madam, we would like to inform you.

This line has pepper and is also properstore for tests.
This line has no punctuation
This line ends with a dash-
This line does not.

Vexing and bizarre incidents were reported.
there is another example line.

Finding ferns and flowers.
First and foremost.
Find the fortune in failures.

Success is the sum of small efforts - repeated day in and day out.

```