

[Home](#) / [Contest 22](#) / [Problem hack4prob2](#)

## [hack4prob2] Problem 2

### Statement

Print lines that match pattern.

Refer to Hackathon4 problem sheet and simpleGrep man page for full details.

### Input Format

Command line arguments:

[options] <PATTERN> <path to input file>

### Output Format

line num: <matched line>\n

Max. Score	10
Difficulty	0
Time limit	1.0 s
Memory limit	10240 KB
Submission limit	3
Allowed file extensions	.c

### Public test cases

#### Test Case 1

Input

```
"Nothing" AliceInWonderland.txt
"Here!" AliceInWonderland.txt
".';" AliceInWonderland.txt
```

[Copy](#)

Output

```

3334:  `Nothing,' said Alice.
3336:  `Nothing WHATEVER?' persisted the King.
3338:  `Nothing whatever,' said Alice.
3494:  the tarts on the table. `Nothing can be clearer than THAT.
848:   `Digging for apples, indeed!' said the Rabbit angrily. `Here!
1502:  `Here! you may nurse it a bit, if you like!' the Duchess said
3298:  `Here!' cried Alice, quite forgetting in the flurry of the
152:  first,' she said, `and see whether it's marked "poison" or not';
478:  and would only say, `I am older than you, and must know better';
588:  this elegant thimble'; and, when it had finished this short
1453:  nose'; as an unusually large saucepan flew close by it, and very
2519:  see after some executions I have ordered'; and she walked off,

```

Copy

## Test Case 2

### Input

```

"a.a.!" TaleOfTwoCities_withoutContents.txt
-i " CiTY," TaleOfTwoCities_withoutContents.txt

```

Copy

### Output

```

3496: "There they are, Sydney. Fire away!"
14786: last night, and his promise of last night, and drive away!"
14806: "Come, then, my children," said Barsad. "Lift him, and come away!"
1839: "More fit for that, I think, than to remain in this city, so dreadful to
9338: perches--when the cry seemed to go up, all over the city, "Bring him
9772: interfering with. As to its being a disorganised city, if it were not a
10769: the usual night hum of the city, with now and then an indescribable ring
10984: he were to be released, he could not hope to leave the city, Mr. Lorry
11318: unnatural silence of a whole city, the executioner showed the people the
11695: honest men. The lowest, cruelest, and worst populace of a city, never
12375: own street. Let me take your arm, Miss Pross. This is not a good city,
15208: and Jerry, who were at liberty to leave the city, should leave it at

```

Copy

## Private test cases

### Test Case 1

#### Input

```

-i -v "e" AliceInWonderland.txt
"....."
TaleOfTwoCities_withoutContents.txt
-v "" TaleOfTwoCities_withoutContents.txt
-i ".....,.....,.....S.....,....." TaleOfTwoCities_withoutContents.txt
-i "--s." AliceInWonderland.txt
".?." AliceInWonderland.txt

```

Copy

#### Output

```

3:
5:
7:

```

Copy

```

8:
14:
20:
33:
36:
41:
54:
60:
72: say.)
73:
85:
102:
113:

```

## Test Case 2

### Input

```

-i -v ".h." AliceInWonderland.txt
-i "..;" AliceInWonderland.txt
-v "" AliceInWonderland.txt
-i "staRl" AliceInWonderland.txt
"ast.a" AliceInWonderland.txt
-v ".Sydney Carton" TaleOfTwoCities_withoutContents.txt

```

Copy

### Output

```

1:          ALICE'S ADVENTURES IN WONDERLAND
2:          Lewis Carroll
3:
5:
7:
8:
14:
20:
31: field after it, and fortunately was just in time to see it pop
33:
36:
40: falling down a very deep well.
41:
53: fell past it.
54:
59: true.)

```

Copy

## Test Case 3

### Input

```

"track" AliceInWonderland.txt
-v "t.." TaleOfTwoCities_withoutContents.txt
-i "a.'.a" TaleOfTwoCities_withoutContents.txt
-i "mEsSeNgErs" TaleOfTwoCities_withoutContents.txt
-i "rAbBiT" AliceInWonderland.txt
"....." AliceInWonderland.txt
-i -v " " TaleOfTwoCities_withoutContents.txt

```

Copy

### Output

```

1: A TALE OF TWO CITIES A STORY OF THE FRENCH REVOLUTION
2: By Charles Dickens
3:

```

Copy

```
4: I. The Period
5:
23:
29:
43: brood.
44:
66:
89: up long rows of miscellaneous criminals; now, hanging a housebreaker on
94: sixpence.
95:
105:
106:
107:
```

## Submit Solution for Problem 2

**Submissions left: 3**

## Submissions Over!

[SEE MY PREVIOUS SUBMISSIONS](#)