

# Lab 08 - Regular Expressions

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Load the necessary packages and dataset for questions 1 and 2.

```
strings <-c("through","rough","thorough","throw","though","threw","thought","thru","trough")
```

## Question 1

[1] “through” “trough”

```
grep( "^th*rough", strings, value = TRUE)
```

```
## [1] "through" "trough"
```

## Question 2

[1] “through” “rough” “thorough” “though” “trough”

```
grep( "^t?h*o*r?ough$", strings, value = TRUE)
```

```
## [1] "through" "rough" "thorough" "though" "trough"
```

---

Load the necessary packages and dataset for questions 3, 4, and 5.

```
strings <- c("lose","lost","hose","chose","hoser","chosen","loose","choose","looose","house")
```

## Question 3

[1] “chose”

```
grep( "^chose$", strings, value = TRUE)
```

```
## [1] "chose"
```

## Question 4

[1] “hose” “hoser”

```
grep( "^hose", strings, value = TRUE)
```

```
## [1] "hose" "hoser"
```

## Question 5

```
[1] "loose" "loose"
```

```
grep( "lo{2,}se", strings, value = TRUE)
```

```
## [1] "loose" "loose"
```

---

## Question 6

```
[1] "through" "rough" "thorough" "thought" "trough"
```

```
strings <-c("through","rough","thorough","ought","throw","thought","thru","trough")
```

```
grep( "^t?h*o*r?[^ ]ought?", strings, value = TRUE)
```

```
## [1] "through" "rough" "thorough" "thought" "trough"
```