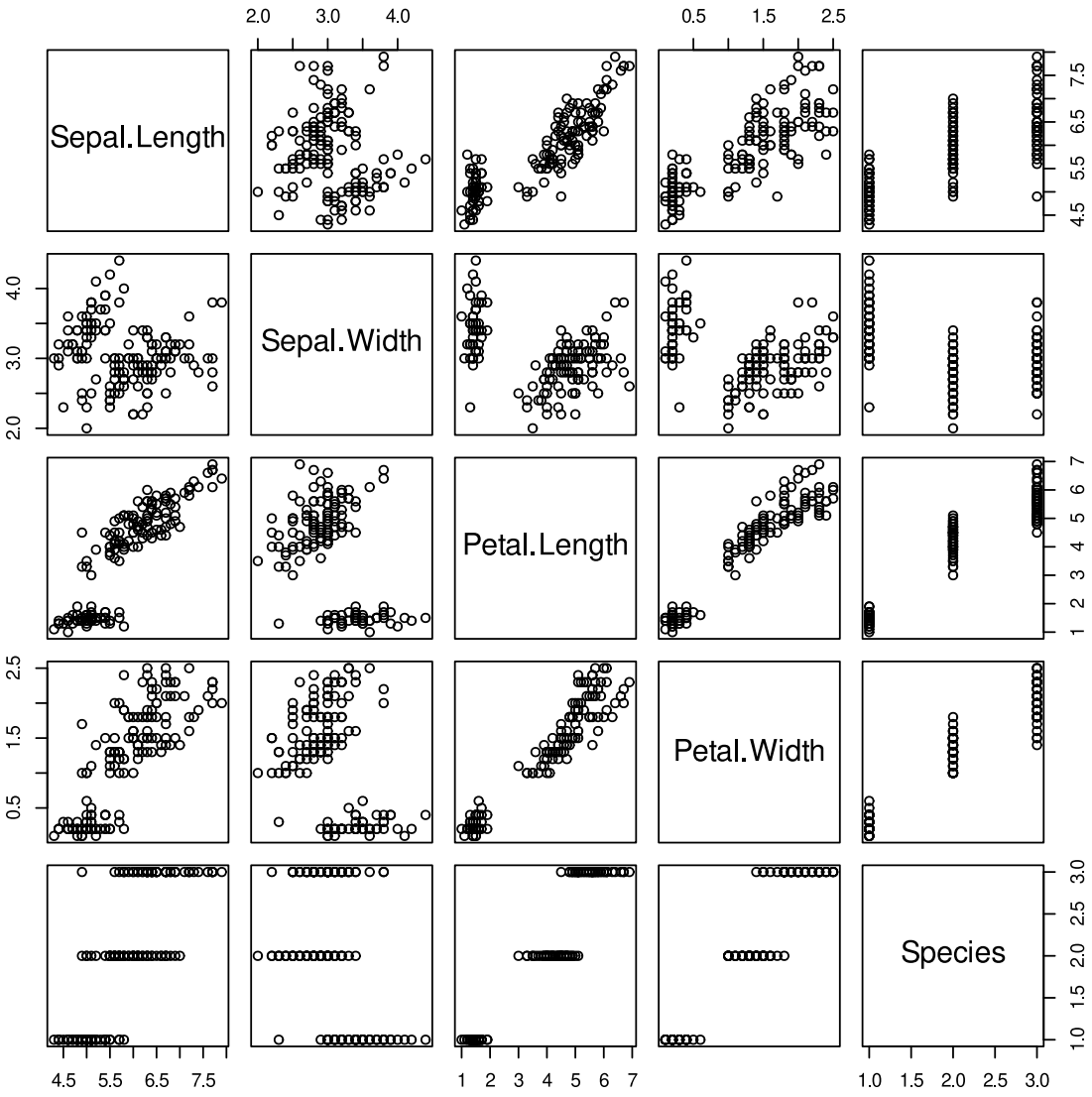
Typstpp Demo

Load some libraries:

```
library(tidyverse)
```

Then make a plot:

```
plot(iris)
```



Then try some Haskell:

```
:{
  fib :: Int -> Int
  fib 0 = 0
  fib 1 = 1
```

```
  fib n = fib (n-1) + fib (n-2)
:}

map fib [0..10]
```

```
[0,1,1,2,3,5,8,13,21,34,55]
```

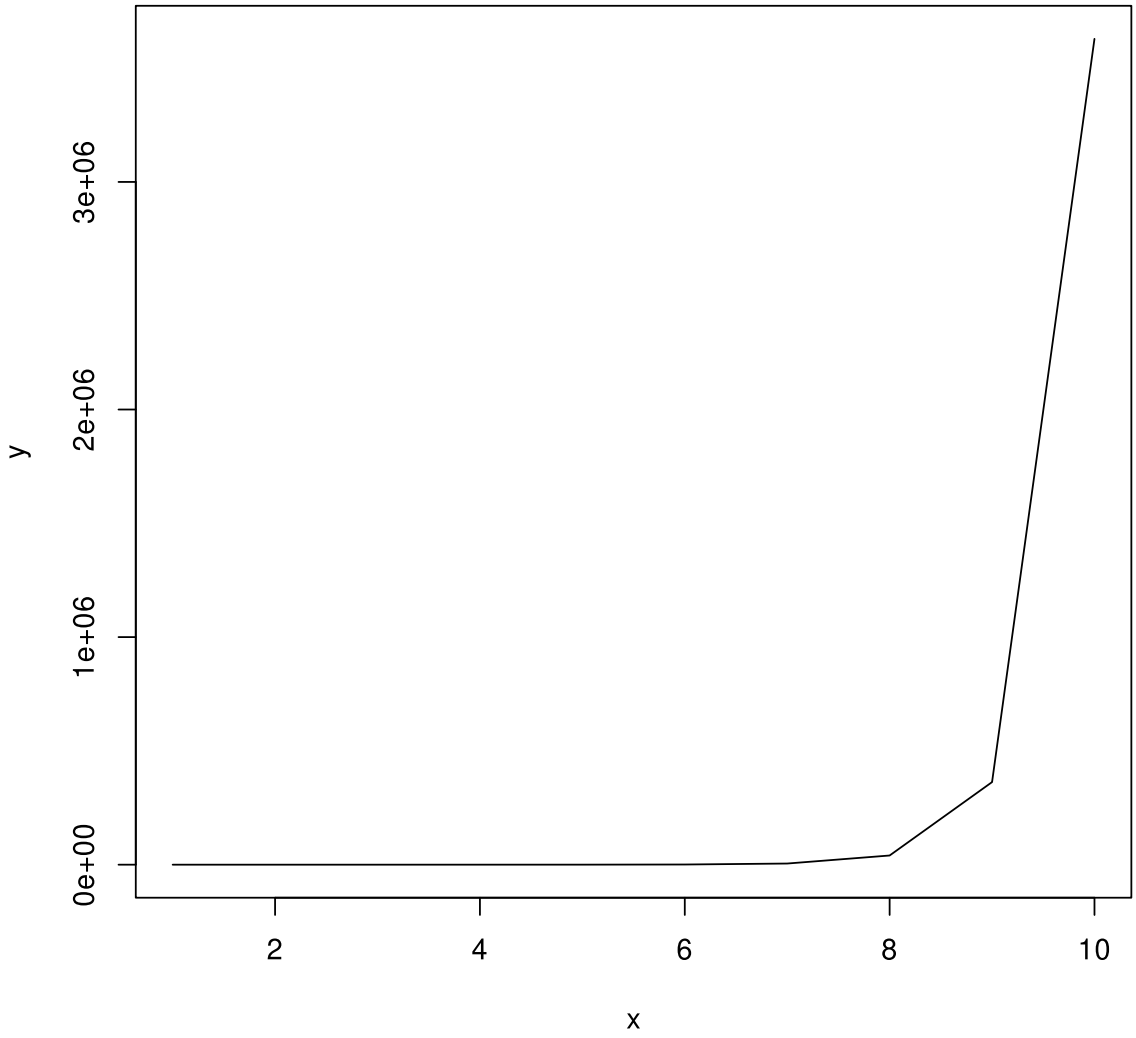
Then make a table:

```
knitr::kable(head(iris))
```

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
5.1	3.5	1.4	0.2	setosa
4.9	3.0	1.4	0.2	setosa
4.7	3.2	1.3	0.2	setosa
4.6	3.1	1.5	0.2	setosa
5.0	3.6	1.4	0.2	setosa
5.4	3.9	1.7	0.4	setosa

Mix some code, plots and tables in the same chunk:

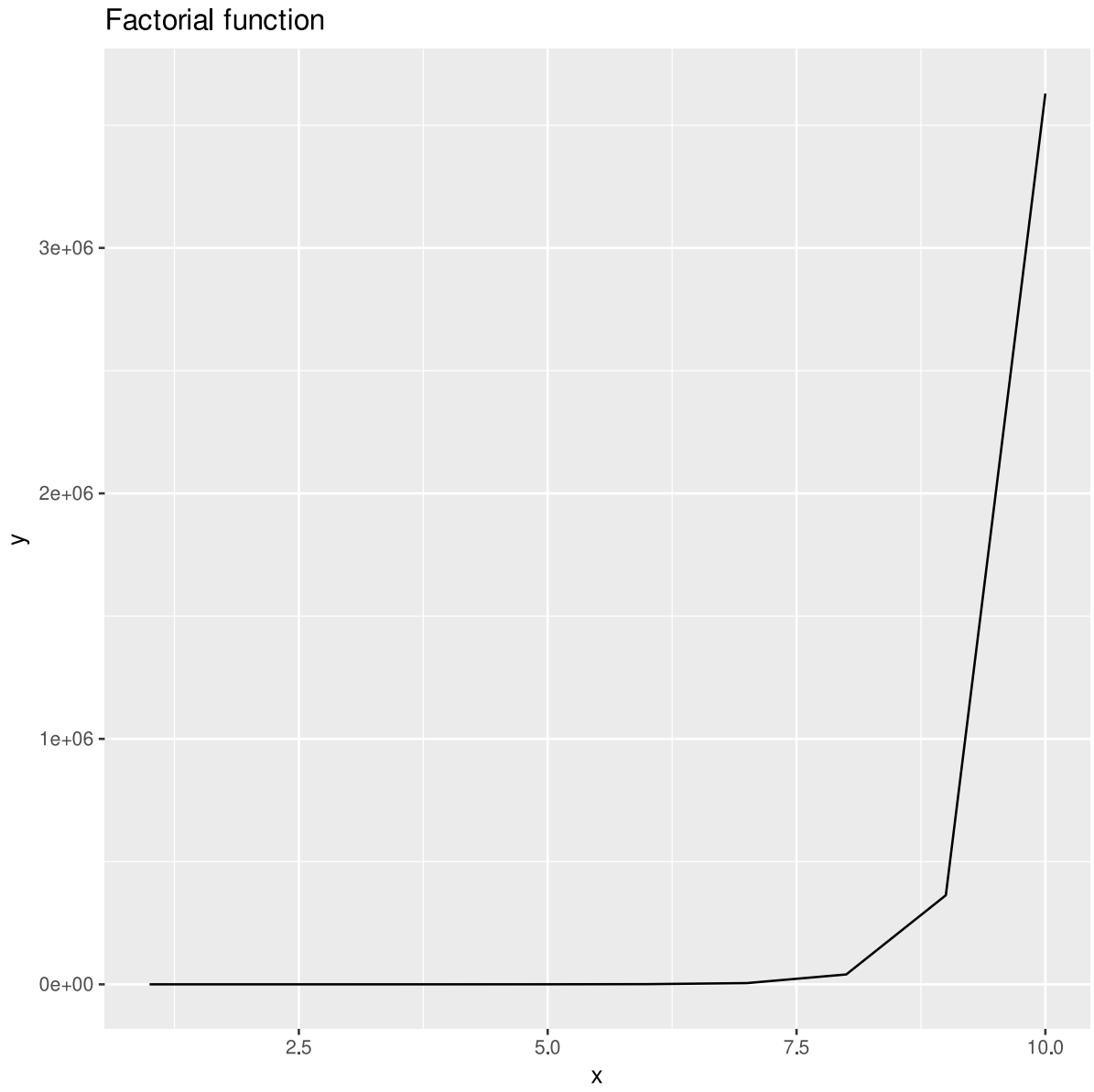
```
factorial <- function(n) {
  if (n == 0) {
    return(1)
  } else {
    return(n * factorial(n - 1))
  }
}

x <- 1:10
y <- sapply(x, factorial)

plot(x, y, type = "l")
```




```
print("↑ base R plot ↓ ggplot2 plot")
```

```
## [1] "↑ base R plot ↓ ggplot2 plot"
```

```
ggplot(data.frame(x = x, y = y), aes(x, y)) +
  geom_line() +
  labs(title = "Factorial function", x = "x", y = "y")
```




```
knitr::kable(data.frame(x = x, y = y))
```

x	y
1	1
2	2
3	6
4	24
5	120
6	720
7	5040
8	40320
9	362880
10	3628800