

```
R5_coral_reefs.R* x  
1 # Question 4.5 on p97  
2  
3 temperature = c(29.68, 29.87, 30.01, 30.25, 30.47, 30.65, 30.90)  
4 growth = c(2.63, 2.57, 2.67, 2.60, 2.47, 2.39, 2.25)
```

17:25 (Top Level) R Script

```
Console Terminal Jobs  
~/  
+ pch = 18,  
+ col = "blue",  
+ xlab = "Temperature (Celsius)",  
+ ylab = "Growth (mm/y)",  
+ main = "Coral Reefs"  
+ )  
>  
> reef_regression = lm(growth~temperature)  
> reef_regression  
  
Call:  
lm(formula = growth ~ temperature)  
  
Coefficients:  
(Intercept) temperature  
11.8109 -0.3073  
  
> abline(reef_regression, col = "red")  
> cor(temperature, growth)  
[1] -0.8986402  
> |
```

Environment History Connections Tutorial
Import Dataset
Global Environment
Data
reef_regre... List of 12
Values
growth num [1:7] 2.63 2.57 2.67 2.6 2...
temperature num [1:7] 29.7 29.9 30 30.2 30...

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