

The screenshot shows the RStudio interface with the following components:

- Script Editor:** Contains R code for a lab exercise. The code defines variables `a`, `b`, `prob1`, `prob2`, `lambda`, `mu`, `sigma`, `prob3_i`, and `x95`.
- Console:** Shows the output of the executed code, including the values of the variables.
- Environment Pane:** Displays the current environment with the following values:

Variable	Value
<code>a</code>	0
<code>b</code>	40
<code>lambda</code>	0.333333333333333
<code>mu</code>	100
<code>prob1</code>	0.375
<code>prob2</code>	0.486582880967408
<code>prob3_i</code>	0.0227501319481792
<code>sigma</code>	15
<code>x95</code>	124.672804404273

```
> x95 <- qnorm(0.95, mean = mu, sd = sigma)
> x95
[1] 124.6728
>
```