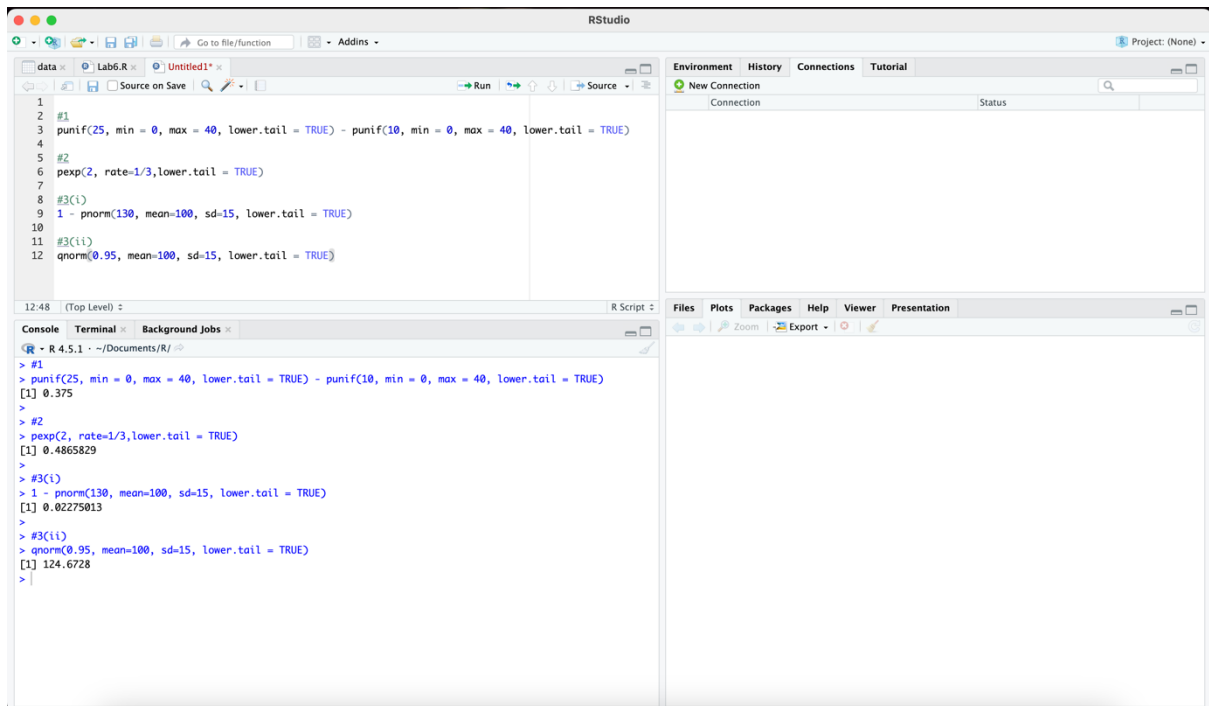


# PS Lab 07 – IT24100356



The screenshot displays the RStudio environment. The top-left pane shows an R script with 12 lines of code. The top-right pane is empty. The bottom-left pane shows the console output for the first four lines of the script. The bottom-right pane is empty.

```
1  
2 #1  
3 punif(25, min = 0, max = 40, lower.tail = TRUE) - punif(10, min = 0, max = 40, lower.tail = TRUE)  
4  
5 #2  
6 pexp(2, rate=1/3, lower.tail = TRUE)  
7  
8 #3(i)  
9 1 - pnorm(130, mean=100, sd=15, lower.tail = TRUE)  
10  
11 #3(ii)  
12 qnorm(0.95, mean=100, sd=15, lower.tail = TRUE)
```

```
> #1  
> punif(25, min = 0, max = 40, lower.tail = TRUE) - punif(10, min = 0, max = 40, lower.tail = TRUE)  
[1] 0.375  
>  
> #2  
> pexp(2, rate=1/3, lower.tail = TRUE)  
[1] 0.4865829  
>  
> #3(i)  
> 1 - pnorm(130, mean=100, sd=15, lower.tail = TRUE)  
[1] 0.02275013  
>  
> #3(ii)  
> qnorm(0.95, mean=100, sd=15, lower.tail = TRUE)  
[1] 124.6728  
> |
```