```r
setwd(""C:\\Users\\asus\\Documents\\2 Year 1 Sem\\PS\\Lab Practical\\Lab 7"")

#1
punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)

#2
pexp(2, rate=1/3, lower.tail=TRUE)

#3
# (i)
pnorm(130, mean=100, sd=15, lower.tail=FALSE)

#(ii)
qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
```

15:1   (Top Level)

Console   **Terminal** ×   **Background Jobs** ×

R ▾ R 4.5.1 · C:/Users/asus/AppData/Local/Microsoft/Windows/INetCache/IE/E6VN30AQ/ ⇗

```
> #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)
> pnorm(130, mean=100, sd=15, lower.tail=FALSE)
[1] 0.02275013
> #(ii)
> qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
[1] 124.6728
```