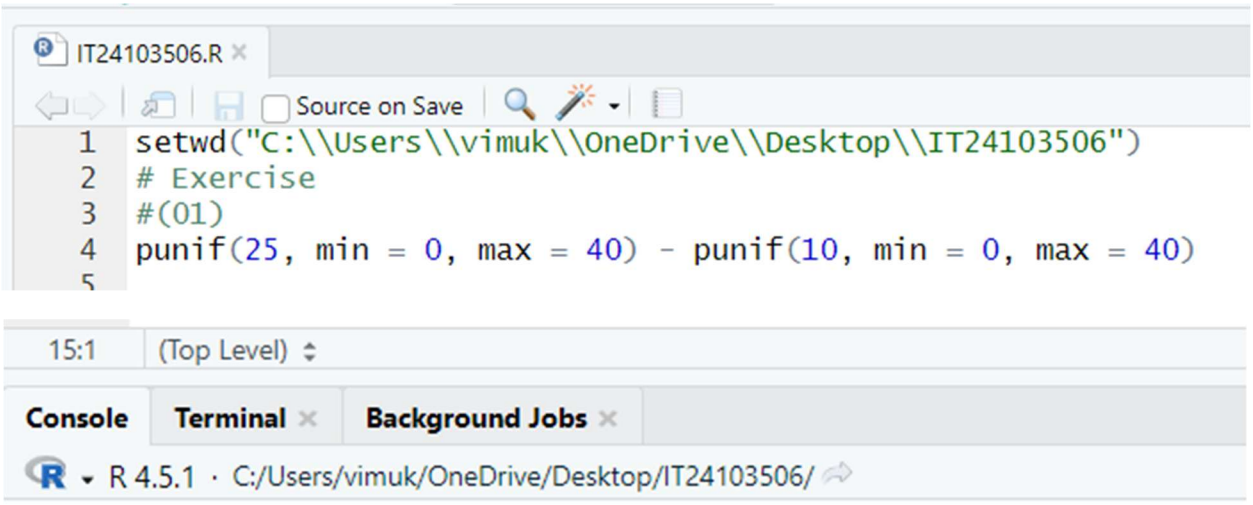
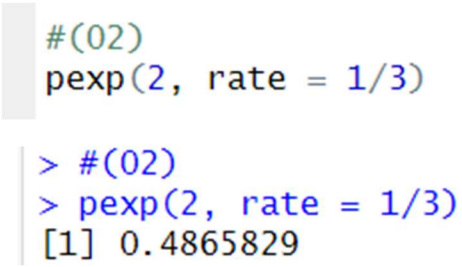
IT24103506 – Siriwardana S.A.D.V.I.

IT2120- Probability and Statistics | Lab Sheet 07

01)



02)



03)

```
#(03)
#(i) P(IQ > 130)
pnorm(130, mean = 100, sd = 15, lower.tail = FALSE)

#(ii) 95th percentile of IQ
qnorm(0.95, mean = 100, sd = 15)
```

```
> #(03)
> #(i) P(IQ > 130)
> pnorm(130, mean = 100, sd = 15, lower.tail = FALSE)
[1] 0.02275013
> #(ii) 95th percentile of IQ
> qnorm(0.95, mean = 100, sd = 15)
[1] 124.6728
>
```