# IT2120 - Probability and Statistics

Lab Sheet 07

IT24103917

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### **Exercise**

#### 01)

```
setwd("C:\\Users\\CHAMA COMPUTERS\\OneDrive\\Desktop\\IT24104028")

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

> setwd("C:\\Users\\CHAMA COMPUTERS\\OneDrive\\Desktop\\IT24104028")
> #1
> punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
[1] 0.375
```

#### 02)

```
6 #2
7 pexp(2, rate=1/3, lower.tail=TRUE)
> #2
> pexp(2, rate=1/3, lower.tail=TRUE)
[1] 0.4865829
```

# 03)

```
II.

12
13  #(ii)
14  qnorm(0.95, mean=100, sd=15, lower.tail=TRUE)
15

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