

LAB- 07

1-

```
> setwd("C:\\Users\\ASUS\\Downloads\\IT24100500")
```

```
> getwd()
```

```
[1] "C:/Users/ASUS/Downloads/IT24100500"
```

```
3 #Exercise1
4
5 punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
6
7
8 #Exercise2
9
10 lambda <- 1/3
11 pexp(2, rate=lambda, lower.tail=TRUE)
12
13
14 #Exercise3
15 mu <- 100
16 sigma <- 15
17
18
19 pnorm(130, mean=mu, sd=sigma, lower.tail=FALSE)
20
21
22 qnorm(0.95, mean=mu, sd=sigma, lower.tail=TRUE)
23
24
```

```
> punif(25, min=0, max=40, lower.tail=TRUE) - punif(10, min=0, max=40, lower.tail=TRUE)
[1] 0.375
> lambda <- 1/3
```

2-

```
> lambda <- 1/3
> pexp(2, rate=lambda, lower.tail=TRUE)
[1] 0.4865829
```

3-

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