

Practical Work N° 2: Variables in R

EXERCISE N° : 1

1. Create a folder on the desktop named: **yourlastname_yourfirstname**.
2. Go to the R4.2.1 shortcut on the desktop and double-click on it.
3. Type the following commands in the console and observe the displayed results:

Creating numeric variables

```
> x = 7                > x = 2                > x                > X
> x <- 7               > 7 -> x .                > 3x = 8                > x3 = 8
> @x = 8              > x@ = 8                > x_1 = 8
```

Creating string-type variables:

```
>firstname = "anwar"
> firstname = 'yassin '
>firstname = ' I ' m called anwar '
>firstname = ' I \' m called yassin '
```

Creating Boolean (True/False) variables:

```
> b = true            > b
> c= TRUE            > c
> ls()
> rm(x)
>rm( list=ls(all=TRUE) )
>q()
```

EXERCISE N° : 2

Type the following commands in the console and observe the displayed results:

> **x<- 5**

> **y<- 4**

> **x+y**

> **x-y**

> **x/y**

> **x*y**

>**abs(x)**

>**sqrt(x)**

>**help(sqrt)**

>**help(abs)**

> **exp(x)**

>**log(x)**

>**log2(x)**

>**log(x,base=2)**

>**log10(x)**

>**log(x,base=10)**