

9/8/21

Exp - 1

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1) with and without object.

> 2+5

[1] 7

> a=2

> b=2

> a+b

4

2) using given commands

> sum(2+5)

[1] 7

> abs(4)

[1] 4

> sqrt(9)

[1] 3

> exp(5)

[1] 148.4132

> log(2)

[1] 0.6931472

> cos(90)

[1] -0.4480736.

### 3) using operators (Arithmetic)

$> a + b$

[1] 4

$> a - b$

[1] 0

$> a * b$

[1] 4

$> a / b$

[1] 1

$> a \% b$

[1] 0

### (Relational)

$> a < b$

[1] False

$> a > b$

[1] False

$> a == b$

[1] True

$> a != b$

[1] False

$> a <= b$

[1] True

$> a >= b$

[1] True

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## Logical

> a & b

[1] True

> a || b

[1] True

> a & b

[1] True

> a | b

[1] True

## Assignment

> a <- 5

> a == 10

> a <- -2

> a

[1] 2

## Miscellaneous

> x <- 1:10

> x

[1] 1 2 3 4 5 6 7 8 9 10

> y = 8

> x + y

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[1] false false false false false  
false false True True False false

4.) List of all objects and remove them

> ls ( )

[1] "a" "b" "m" "this list" "x"

[6] "y"

> rm (a)

> rm (b)

> rm (m)

> rm (this list)

> rm (x)

> rm (y)

> ls ( )

character (0)