

Foundations of R Software

Lecture 0

How to Learn and Follow the Course

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Basics

Blue Colour Courier New Font means a Command or Syntax in R.

Black colour Calibri font means usual expression.

Example:

Statement: The assignment operators are the left arrow with dash **<-** and equal sign **=**

x <- 20 assigns the value 20 to **x** .

x = 20 assigns the value 20 to **x** .

Basics

Outcome over R console:

```
> x = 20
```

```
> x
```

```
[1] 20
```

Basics

Syntax:

`y = x * 2` assigns the value `2*x` to `y`.

`z = x + y` assigns the value `x + y` to `z`.

Outcome over R console:

```
> y = x * 2
```

```
> y
```

```
[1] 40
```

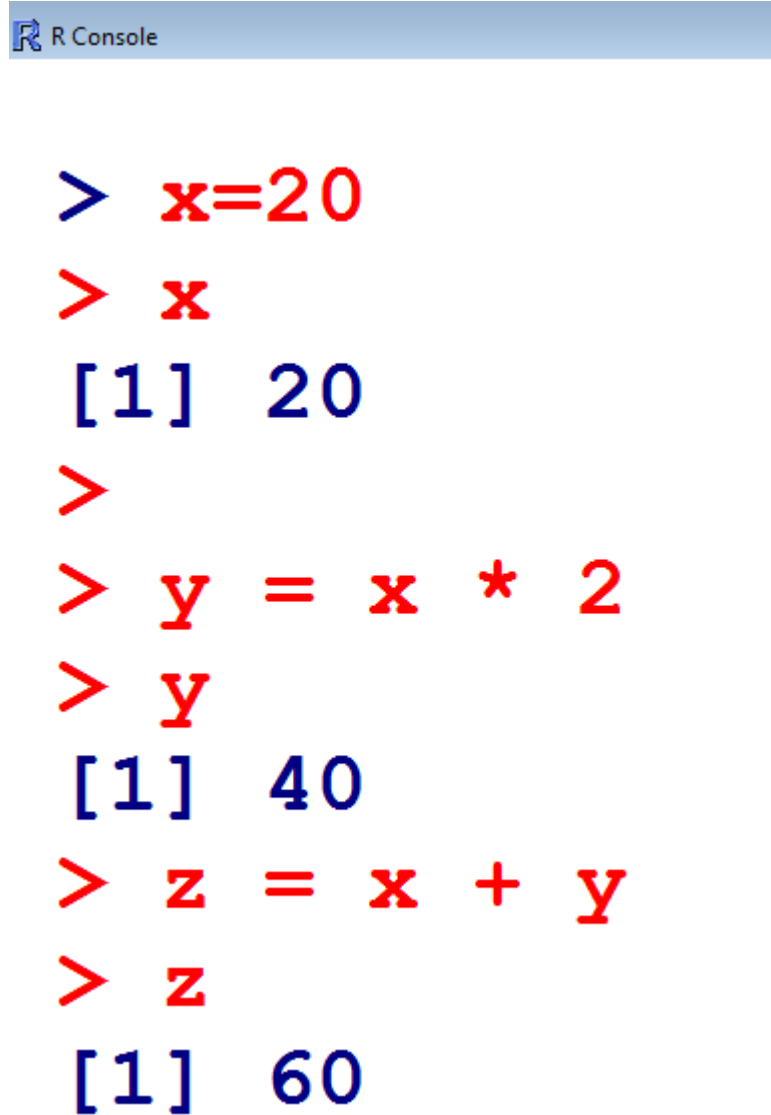
```
> z = x + y
```

```
> z
```

```
[1] 60
```

Basics

Screenshot of outcome over R console



```
R Console  
  
> x=20  
> x  
[1] 20  
>  
> y = x * 2  
> y  
[1] 40  
> z = x + y  
> z  
[1] 60
```

The screenshot shows an R console window with a blue header bar containing the R logo and the text "R Console". Below the header, the following R code and its output are displayed:

- `> x=20`
- `> x`
[1] 20
- `>`
- `> y = x * 2`
- `> y`
[1] 40
- `> z = x + y`
- `> z`
[1] 60