Untitled

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```r
2 + 2
```

```
## [1] 4
```

#1.a

```r
x<- -5:5
  print(x)
```

```
##  [1] -5 -4 -3 -2 -1  0  1  2  3  4  5
```

#1.b

```r
  x <- 1:7

print(x)
```

```
## [1] 1 2 3 4 5 6 7
```

#2.a

```r
  seq(1, 3, by=0.2) # specify step size
```

```
##  [1] 1.0 1.2 1.4 1.6 1.8 2.0 2.2 2.4 2.6 2.8 3.0
```

```r
library(MASS)
age <- c(34, 28, 22, 36, 27, 18, 52, 39, 42, 29, 35, 31, 27,22, 37, 34, 19, 20, 57, 49, 50, 37, 46, 25,
age[3]
```

```
## [1] 22
```

```r
age[c(2,4)]
```

```
## [1] 28 36
```

```r
age[-1]
```

```
##  [1] 28 22 36 27 18 52 39 42 29 35 31 27 22 37 34 19 20 57 49 50 37 46 25 17 37
## [26] 43 53 41 51 35 24 33 41 53 40 18 44 38 41 48 27 39 19 30 61 54 58 26 18
```

```r
  names(x)<- c("first"=3, "second"=0, "third"=9)
    x [c("first", "third")]
```

```
## <NA> <NA>
##   NA   NA
```

```r
    print(x)
```

```
##    3    0    9 <NA> <NA> <NA> <NA>
##    1    2    3    4    5    6    7
```

```
x<- -3:2
  print(x)
```

[1] -3 -2 -1 0 1 2

```
  x[2] <- 0
   x
```

[1] -3 0 -1 0 1 2