

RWorksheet_Infiesto#2

Infiesto

2024-09-25

1.

a.

```
# 1. Create a vector using : operator  
# a. Sequence from -5 to 5. Write the R code and its output.
```

```
vectorA <- -5:5  
vectorA
```

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

b.

```
x <- 1:7  
x
```

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

2.

```
vectorB <- seq(1, 3, by=0.2)  
vectorB
```

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

3.

a. and b.

```
ages <- 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, 17, 37, 43, 53, 41, 51,  
         35, 24, 33, 41, 53, 40, 18, 44, 38, 41,  
         48, 27, 39, 19, 30, 61, 54, 58, 26, 18)  
thridelement <- ages[3]  
thridelement
```

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

```
secondfourth <- ages[c(2, 4)]  
secondfourth
```

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

4.

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

```
## [1] "first" "second" "third"
```

```
x1 <- x[c("first", "third")]
```

```
x1
```

```
## first third
```

```
##      3      9
```

5.

```
x <- -3:2
```

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

```
x
```

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

6.