

Solutions to Exercises from Chapter 3

- 1.1.-** `[1] 1 2 3 4 5 6 7 8 9`
- 1.2.-** `[1] 2 4 6 8 10`
- 1.3.-** The instruction `var<-3` does not output anything. The instruction `Var*2` outputs an error message because `Var` has not yet been defined.
- 1.4.-** The instruction `x<-2` does not output anything. The instruction `2x<-2*x` outputs an error message because a variable name should not begin with a number.
- 1.5.-** The instruction `root.of.four <- sqrt(4)` does not output anything. The instruction `root.of.four` outputs `[1] 2`
- 1.6.-** The instruction `x<-1` does not output anything. The instruction `x< -1` outputs `[1] FALSE`
- 1.7.-** The instruction `An even number <- 16` outputs an error message because a variable name should not contain spaces.
- 1.8.-** The instruction `"An even number" <- 16` does not output anything.
- 1.9.-** The instruction `"2x" <- 14` does not output anything.
- 1.10.-** The instruction `An even number` outputs an error message.
- 1.11.-** `>2 +`
`+ 4`
`[1] 6`
- 1.12.-** The instruction `TRUE + T + FALSE*F + T*FALSE + F` outputs `[1] 2`.
- 1.13.-** The 6 R data types are: numeric, complex, logical, character, raw.
- 1.14.-** `X <- matrix(1:12,nrow=4,ncol=3,byrow=FALSE)`
- 1.15.-** The R data structures are: `c()`, `matrix()`, `array()`, `list()`, `data.frame()`, `factor()`, `ordered()`.