## Solutions:

- (1) > class(A)
  - > "numeric"
  - > class(B)
  - > "character"
  - > class(C)
  - > "character"

Vectors can only store items of a single type, so vector C gets converted into a vector only filled with "characters".

- (2) > 2\*A
  - > 2 4 6 8
  - > 2\*C
  - > 2\*0
  - > Error in 2 \* C : non-numeric argument to binary operator

R recognizes that it does not make sense to multiply a character string by two, so it gives you an error.