# HW2

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### 2.2.4 Q1

```r
vec_1 <- c(7, 24, 8, 26)
length(vec_1)
```

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

```r
class(vec_1)
```

```
## [1] "numeric"
```

### 2.2.4 Q2

```r
char_1 <- c('I', 'am', 'learning', 'R!')
length(char_1)
```

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

```r
class(char_1)
```

```
## [1] "character"
```

```r
paste(char_1, collapse = ' ')
```

```
## [1] "I am learning R!"
```

### 2.2.4 Q3

```r
nchar(char_1)
```

```
## [1] 1 2 8 2
```

```
toupper(char_1)
```

```
## [1] "I"        "AM"       "LEARNING" "R!"
```

### 2.2.4 Q4

```
is_char <- c(class(vec_1), class(char_1)) == 'character'
is_char
```

```
## [1] FALSE  TRUE
```

### 2.3.3 Q1

```
x1 <- c(1, 2, 3)
logi_1 <- x1 <= x1 ** 2
logi_1
```

```
## [1] TRUE TRUE TRUE
```

### 2.3.3 Q2