

# Quiz

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- **Problem 1:** Consider the following vector:

```
x <- c(Yoshi = 10L,  
       Mario = 31L,  
       Luigi = 72L,  
       Peach = 11L,  
       Toad  = 38L)
```

- Extract Yoshi and Peach from the above vector using:

1. Integer subsetting.
2. Negative integer subsetting.
3. Logical subsetting.
4. Name subsetting.

– *Noe: The output of all above four techniques must be same as*

```
Yoshi Peach  
10      11
```

- **Problem 2:** In the vector above, substitute Yoshi's number with 19L.

– Note your output must be same as

```
Yoshi Mario Luigi Peach Toad  
19      31      72      11      38
```

- **Problem 3:** Consider the following list:

```
wedding <- list(venue = "chick-fil-a",  
               guest = tribble(~name, ~meal, ~age,  
                               ##-----/-----/-----
```

```

      "Yoshi",    "V",    29L,
      "Wario",   "C",    27L,
      "Bowser",  "V",    34L,
      "Luigi",   "C",    36L,
      "Toad",    "B",    34L),
  bride = "Peach",
  groom = "Mario",
  date  = parse_date("11/10/2020", "%d/%m/%Y"))

```

a. Wario can't actually make it. Remove him from the data frame.

- *Note: Write a code that returns the following*

```

$venue
[1] "chick-fil-a"

$guest
# A tibble: 4 x 3
  name    meal    age
  <chr>  <chr> <int>
1 Yoshi  V      29
2 Bowser V      34
3 Luigi  C      36
4 Toad   B      34

$bride
[1] "Peach"

$groom
[1] "Mario"

$date
[1] "2020-10-11"

```

b. Add a new named vector called `meal` where V is "Vegetarian", C is "Chicken", and B is "Beef".

- *Note: Write a code that returns the following*

```

$venue
[1] "chick-fil-a"

```

```
$guest
# A tibble: 4 x 3
  name    meal    age
  <chr>  <chr> <int>
1 Yoshi  V      29
2 Bowser V      34
3 Luigi  C      36
4 Toad   B      34
```

```
$bride
[1] "Peach"
```

```
$groom
[1] "Mario"
```

```
$date
[1] "2020-10-11"
```

```
$meal
      V      C      B
"Vegetarian" "Chicken" "Beef"
```

c. Extract the venue and the date from `wedding`. Use two different techniques do this.

- *Note: You need to write two codes that returns the following*

```
$venue
[1] "chick-fil-a"
```

```
$date
[1] "2020-10-11"
```

d. `"chick-fil-a"` should be capitalized. Capitalize the first `"c"`.

- *Note: Your code must return*

```
$venue
[1] "Chick-fil-a"
```

```
$guest
# A tibble: 4 x 3
  name    meal    age
```

	<chr>	<chr>	<int>
1	Yoshi	V	29
2	Bowser	V	34
3	Luigi	C	36
4	Toad	B	34

\$bride  
[1] "Peach"

\$groom  
[1] "Mario"

\$date  
[1] "2020-10-11"

\$meal	V	C	B
"Vegetarian"		"Chicken"	"Beef"