

The background is a light blue with horizontal stripes. In the center, there is a dark grey laptop. On the laptop screen, there is a stylized representation of code with white lines and some colored highlights (red, blue, yellow). Surrounding the laptop are various cleaning supplies: a yellow bottle on the left, a blue spray bottle at the top left, a red fire extinguisher at the top center, a white spray bottle at the top right, and a green bottle on the right. There are also some white starburst shapes on the laptop screen.

Code Review // Clean Code

Episode 3 – Mean full names

# What have we cleaned so far ?



**Do not repeat yourself**



**Fail fast**



**Use mean full names**



**Follow the snake/camel/dromadory**

Use comments and spaces

Avoid magic numbers

One Purpose For Each Variable

Function Say what they do

Avoid multiple returns

Use objects to protect your data

LET' TRYYYYYYY



**ACTIVITIES S2-ACTIVITY - 2**

On Google classroom

What does this variable means

```
int d;
```

What does this variable means

```
int nbDaysSince2020;
```

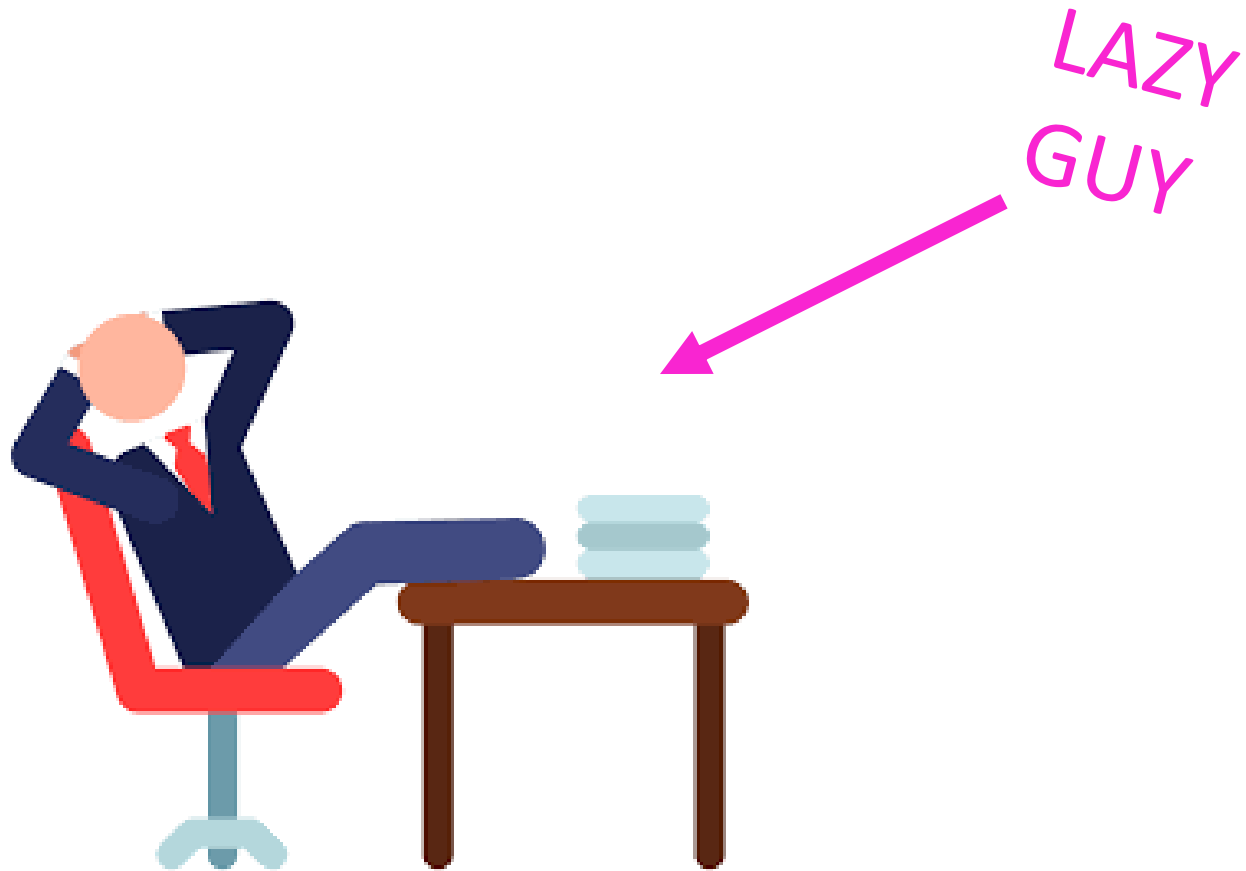
What does this variable means

```
int tmp = 86400;
```

What does this variable means

```
int secondsPerDay= 86400;
```

# Naming names like tmp, temp, data, d, l, fff





# Naming convention



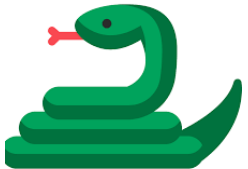
CAMEL  
CASE

thisIsAnExample



DROMEDARY  
CASE

ThisIsAnExample



SNAKE  
CASE

this\_is\_an\_example



KEBAB  
CASE

this-is-an-example

# Naming convention



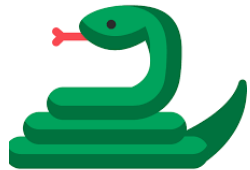
CAMEL  
CASE

thisIsAnExample

JAVA

PHP

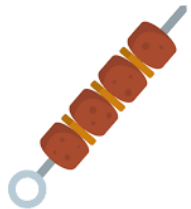
JS



SNAKE  
CASE

this\_is\_an\_example

PYTHON



KEBAB  
CASE

this-is-an-example

# Naming convention

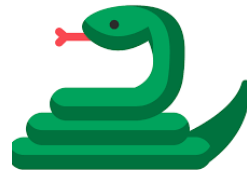
WhatIsThisOne

A



CAMEL  
CASE

B



SNAKE  
CASE

C



KEBAB  
CASE

D



DROMEDARY  
CASE

E

NONE  
OF  
THEM

# Naming convention

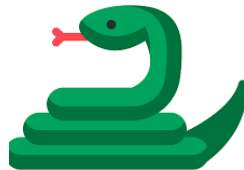
## WhatIsThisOne

A



CAMEL  
CASE

B



SNAKE  
CASE

C



KEBAB  
CASE

D



DROMEDARY  
CASE

E

NONE  
OF  
THEM

# Naming convention

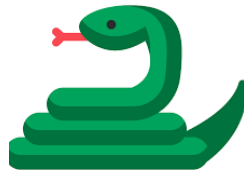
And\_this\_one

A



CAMEL  
CASE

B



SNAKE  
CASE

C



KEBAB  
CASE

D



DROMEDARY  
CASE

E

NONE  
OF  
THEM

# Naming convention

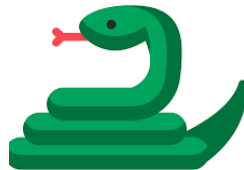
And\_this\_one

A



CAMEL  
CASE

B



SNAKE  
CASE

C



KEBAB  
CASE

D



DROMEDARY  
CASE

E

NONE  
OF  
THEM

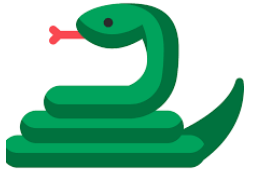
# Usually

methodsAreNamedWithCamelCase

variablesAreAlsoCamelCase



CONSTANTS\_ARE\_IN\_ALL\_CAPS\_WITH\_UNDERSCORES



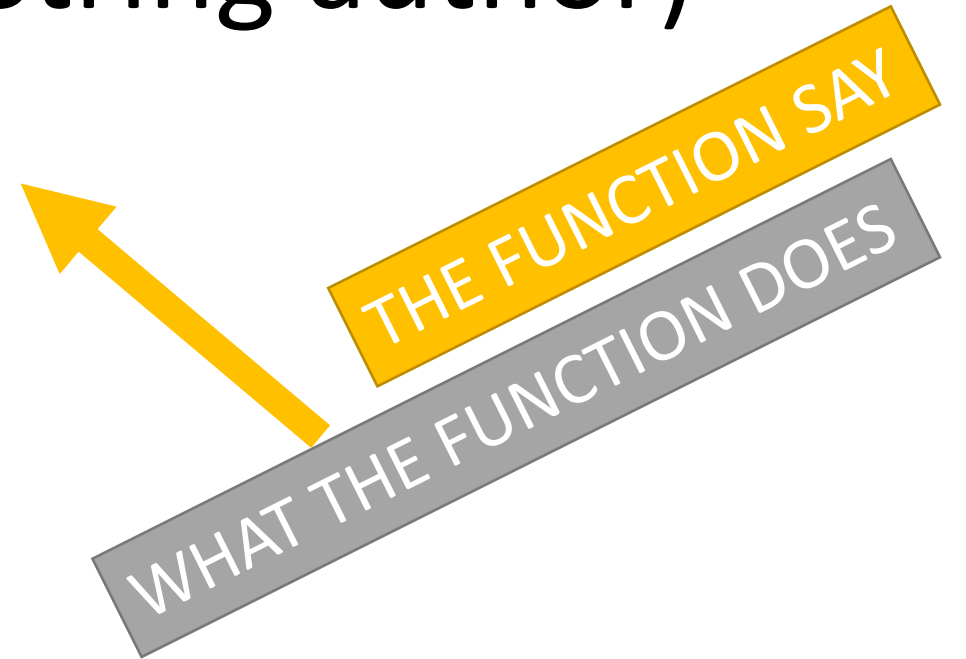
ClassesAreNamedWithDromedaryCase



packages.are.lowercase.and.separated.by.dots

## What does this function do

getBooksFromAuthor(String author)





## How to write a function name ?

getBooksFromAuthor(String author)



ACTION

OBJECT

ADDITIONAL INFO

# How to write a function name ?

**ACTION**

is

get

remove

update

clear

# What would be a better name for this function

---

```
public boolean even(int y) {  
    return y % 2 == 0;  
}
```

A

even

B

getEven

C

isEven

D

isEvenNumber

# What would be a better name for this function

---

```
public boolean even(int y) {  
    return y % 2 == 0;  
}
```

A

even

B

getEven

C

isEven

D

isEvenNumber

# Can you understand this code ?

```
1
1 let fb = n =>
2   n ? fb(n-1) +
3     [['fizz', 3], ['buzz', 5]]
4     .map(([w, m]) => c => n % m ? c : _ => w + c())
5     .reduceRight((c, f) => f(c), (x='') => x)(n) + '\n' : '';
```

Can you explain the difference  
btw those 2 variables

```
List<Student> sna_students;
```

```
List<Student> sna_students_with_low_score;
```

Can you explain the difference  
btw those 2 variables

```
List<Student> sna_students;
```

```
List<Student> sna_students_with_low_gpa;
```

THE VARIABLE SAY

WHAT THE VARIABLE MEANS

# Sorter is better

total\_number\_of\_entries\_with\_mangled\_or\_out\_of\_range\_dates

NO

last\_number\_called

YES



LET' TRYYYYYYY



**ACTIVITIES S3-ACTIVITY-1**

On Google classroom

# Hungarian notation

Naming convention in which the name of a variable indicates its **intention, its type, its kind..**

## Hungarian notation

Boolean **b**\_isValid;



B for boolean

Function (**p**\_name, **p**\_age) { }



P for parameter

var **\_**name



\_ for private

Do you know other examples ?  
In the language you have learnt

# Hungarian notation

WHY

THIS IS

BAD

# Hungarian notation

We need to remember  
If the variable  
Is public or private !

What is the type  
Of the variable changes?

WHY

THIS IS

BAD



# Mind Map

Storytelling is the process of using fact and narrative to **communicate something** to your audience.

